je Kining Journal,

RAILWAY AND COMMERCIAL

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1049-Vol. XXV.]

LONDON, SATURDAY, SEPTEMBER 29, 1855.

STAMPED SIXPENCE. UNSTAMPED... FIVEPENCE.

THE MINING EXCHANGE OF LONDON. GRESHAM HOUSE, OLD BROAD STREET. J. Y. WATSON, F.G.S.—CHAIRMAN (Firm of Watson and Cuell).
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MR. JAMES CROFTS, MINING BROKER, M. R. J. A. M. E. S.

No. 1, FINCH LANE, CORNHILL, LONDON, TRANSACTS BUSINESS, BUSINESS, BUTINESS, BUTINESS, AND MINES, well selected, are the best of any known investments—paying from 15 to 20 per cent. per annum in dividends. The choice of NON-DIVIDEND MINES, or speculation requires careful discrimination.

Hr. Chaorrs is a BUYER of the following:—Alfred Consols, Devon Burra Burra, Bedrid United, South Tamar, Wh. Wrey, Wh. Franco, Okel Tor, Sortridge Consols, lybridge, North Basset, West Basset, Lamherood, Trewetha, West Wh. Carpenter, Lidy Bertha, Devon Wheal Buller, Cubert, East Russell.

MR. JAMES LANE, No. 29, THREADNEEDLE STREET, is prepared to DEAL in the following SHARES:

Devon Great Consols.
Wheal Wrey.
Was Kitty (Lelant).
West Ritty (St. Agnes).
West Providence.
Great Clinies.
J. Laws has 50 Shares in Dunsley Wheal Phænix for sale, at a very low price. R. JAMES B. BRENCHLEY IS A BUYER OF Alfred Consols. South Caradon. Rosewarne. Rosewarne. West Damsel. Wheal Seton. Wheal Seton. Par Consols. Wheal Wrey. Also, NON-DIVIDEND :-

South Crofty. Tavy Consols, West Sortridge. East Wheal Russ Round Hill. Great Baddern. Tehidy. Leeds and St. Aubyn. Molland. East Gunnis Lake. East Buller. Molland. North Crofty. Round Hill.

50 Lady Bertha.
25 North Unity.
2 North Robert.
20 Guskus.
10 Pedn-an-dren.
5 Clijah.
5 West Frances. FOR SALE-1 East Pool.
1 West Seton.
5 Arthur.
2 East Basset. Deron Consols,

Sorth Basset.

Social Control Consols

West Basset.

Social Fortune.

Socia

But necessary.

M. BERNCHLEY, being a Member of the Mining Exchange, will forward a list of pices, on receipt of stamped addressed envelopes; and PUBLISHES WEEKLY at URCULAR, containing latest particulars of prices, and much desirable information.

1. Pinner's-court, Old Broad-street, London.

R. PETER WATSON begs to inform his friends and gentlemen connected with English and foreign mines, that he has returned from Cambras, Carawall, where he has been residing for the past 12 months, and has now Manner Business of SHAREDEALER and GENERAL COMMISSION LIBERT, at 37, OLD BROAD STREET, LONDON.

The past eleven years' experience which he has had in every department of mining, as at extensive connection with mine agents and others in Cornwall and Devon, make him to judge of, and select mines of intrinsic value.

Represent period offers great advantages for investment in carefully selected mines, where a certainty of success and profit to the embarkment of capital may be relied on. E. Peter WAYSON will at all times be glad to afford every information; and purtue and sell shares on the usual commission, to which the most careful attention and be paid—37, Old Broad-street, London, Sept. 28, 1855.

MR. W. MICHELL, COMMISSION, ACENTA and DEALER in

R. W. MICHELL, COMMISSION AGENT and DEALER in ARTISH MINES, is always in a position to BUY or SELL in most DIVI-O MINES, as well NON-DIVIDEND MINES, where the prospects are such as led be carly dividends. Gratuitous advice given on personal application, or by te-1, Crown-court, Threadneedle-street, Eondon.

O SHAREHOLDERS IN MINES LABOURING UNDER DIFFICULTIES, FINANCIAL OR OTHERWISE.—As many good mining species are neglected, and even deserted, through want of proper management and stant capital to develop them, Mr. CALVERT may be CONSULTED, and will be kept to ASSIST in re-organising any company, and introducing such as he may appear of to capitalists.—Address, 189, Strand.

LANDED PROPREITORS, HOLDERS OF ROYALTIES,
AND LESSEES OF MINERALS.—Mr. CALVERT, MINING GEOLOGIST,
as to SURVEY MINES, or any estate likely to contain minerals of commercial
and develop the riches they may contain.—Address, 189, Strand.

AMES F. BODDY, 15, OLD BROAD STREET, and MINING EXCHANGE, LONDON, TRANSACTS BUSINESS in the undermentioned, or war MINES quoted in the general List of the Mining Journal; and will be happy lowered any information upon application, likewise a correct list of the prices.

East Black Craig
For Politimore

For Politimore

Gonamena
Gonamena
Great Crinnis
Great Polgooth
Garreg
Gawton United
Grareg
Gawton United
Great Sheba Consols
Olakely
Great Sheba Consols
Great Sheba Consols
Great When Alfred
Great Sheba Consols
Great When Alfred
Great Sheba Consols
Great When Alfred
Great Rough Tor
Great Sheba Consols
Great When Alfred
Great Rough Tor
Great Sorridge
Herodafoor
Hangston Down Con, Rosewarns
Hennose
Round Hill
West Crinnis
West Pollberro
West West Priendship
West Jane
Wrysgan
Great Sheba Consols
Great Worth Alfred
Rix Hill
Herodafoor
Hennose
Round Hill
West Crinnis
West Pollberro
West Wheal Francis
West Pollberro
West Wheal Jane
West Crinnis
West Pollberro
West West Wheal Francis Rosewarne
Round Hill
South Caradon
South Tamar
St. Aubyn and Grylis
Stray Fark and Camborne Voan
Sortridge Consols
Sortr, and Bedford
Boath Bog
South Carn Brea
St. Hilary
St. South Carn Brea
St. Hilary
St. Hilary
St. Hilary
Swest Phonix
West Wheal Indient
West Phonix
West Wheal Gill
Wheal Gill
Trenow Consols
Tamar Maria
Yeoland Consols
Tenow Corporessive mines: Aennock Kenneggy Kirkeudbrightshire Kirkeudbrightshire Kiraine Marke Valley Morllyn Min. Co. of Ireland Messer (Bodmin) Mixon Great Cons. Molland

Nor. Wh. Treinway Tamar Maria

Wheal Wrey.

North Hingston.

North Hingston.

North Hoser.

North Roser.

North Robert.

South Buller and West

South Buller and West

South Buller and West

South Buller and West

North Basset.

EORGE MOORE will BUY or SELL, at the closest prices, in any TEORGE MOURE WILL BOX 20 part of—
10 Arthur, 50 Ivybridge, 50 Ivybridge, 50 Ivybridge, 50 Kiraine, 10 Endogram of the first and Basset Unit, 5 Ciljah and Wentworth, 20 North Basset, 5 Ciljah and Wentworth, 20 North Rosswarne, 10 Caradon Consols, 1 Rosewarne, 10 South Tamar, 10 South Ta 1 South Wheal Frances.
10 Trehane.
20 Trewetha.
5 West Providence.
3 West Basset.
20 Wheal Zion.
20 Wheal Grenville.
2 Whoal Kitty (Lelant).
10 Wheal Hender.
list who may be desirous on 10 Caradon Consols.

2 East Wheal Rose.
10 South Tamar.
2 Wheal Kitty (Leianty.
10 South Grams.
2 East Basset.
10 South Tamar.
2 Wheal Kitty (Leianty.
10 Wheal Hender.
GEORGE Moone will be happy to advise with any capitalist who may be desirous of purchasing British Mining Stock, either for a permanent investment, or for an advance in price.
GEORGE MOORE begs to call the attention of his friends to Wheal Grenville, at present prices. This mine is situate in the best mining district in the world. It possesses machinery fully adequate for its development, and profitable results will, in all probability, be very shortly realised. The shares are held by an influential and responsible proprietary.
GEORGE MOORE WOULD FAILED STOCK AND SHARE-TOSEPH LAMES REYNOLDS, STOCK AND SHARE-TOSEPH LAMES REYNOLDS.

MR. JOSEPH JAMES REYNOLDS, STOCK AND SHARE-BROKER, No. 21, THREADNEEDLE STREET, LONDON.
BUSINESS TRANSACTED in every description of BRITISH and FOREIGN
STOCKS, FUNDS, and SECURITIES; also, BRITISH and FOREIGN MINES.

MESSRS. POWELL AND COOKE, DEALERS IN MINING SHARES, No. 8, HERCULES CHAMBERS, OLD BROAD STREET, LÖNDON.—The above continue to DEAL in the SHARES of all the leading DIVIDEND and good PROGRESSIVE MINES.—Sept. 28, 1855.

MESSRS, T. SPARGO AND CO., MINING AGENTS AND SHAREBROKERS, 70, COENHILL, LONDON. /3
Gratuitous advice will be afforded to any gentleman requiring information respecting mining investments, upon application personally or by letter.

REMOVAL.—Mr. HENRY SIBLEY, STOCK, SHARE, AND MINING AGENT, has REMOVED from No. 3, Old Broad-street, to No. 4,

MESSRS. WATSON AND ENSOR, MINING AGENTS, DEALERS in MINING, RAILWAY, and other SHARES, have REMOVED from 64, Old Broad-street, to 2, ARTILLERY PLACE, FINSBURY SQUARE. Messrs. Warsos and Esson have FOR SALE, at very low prices, SHARES in a few DIVIDEND, and other MINES approaching a dividend state, which they can strongly recommend. Prices and general information afforded on application. Messrs. Warson and Esson undertake the inspection of mines, through eminently qualified local agents, and on moderate terms.

MR. W. LEMON OLIVER, STOCK AND SHAREBROKER, BUSINESS TRANSCATED in HOME and FOREIGN RAILWAYS, FUNDS SECURITIES, BRITISH and FOREIGN MINES, &c.

MR. WM. SIMS, MINING SHAREBROKER AND GENERAL COMMISSION AGENT, REDRUTH, CORNWALL.

MR. M. W. BAWDEN, MINE BROKER, GENERAL ASSAYER AND COMMISSION AGENT, LISKEARD, CORNWALL. M. R. WM. ROSSER, LAND AND MINERAL SURVEYOR, LLANELLY, SOUTH WALES.

Tenants found for coal, ironstone, and every description of mineral property.

colleries and mines viewed and reported on. Maps kept by contract or otherwise.

THOMAS EDINGTON, PURCHASER AND INSPECTOR OF CASTINGS ON COMMISSION, 17, GORDON STREET, GLASGOW. 26 R. JAMES TAYLOR, METAL BROMIDDLESBEO'-ON-TEES.

RONSTONE ROYALTY.—TO BE LET, on advantageous terms Two valuable IRONSTONE ROYALTIES in Danby Dale, Cleveland, immediately adjoining the North Yorkshire and Cleveland Railway, now in course of formation, and which will bring the locality within twenty miles of the ports of Middlesbro' and Stockton, and the North-Eastern Railway Company's line at Picton Limestone suitable for smelting is found in the district.—For further particulars apply to Mr. James Taylor, metal broker, Middlesbro'-on-Tees.

MR. EVAN HOPKINS, CONSULTING MINING ENGINEER 38, THURLOE SQUARE, BROMPTON. MR. ADAM MURRAY, CONSULTING MINING ENGINEER, 76, CORNHILL, LONDON. 24

PNGLISH DIVIDEND MINES.—Shareholders in dividend mines are not subject to calls or liability of any kind if they select the mines known to be free from debt, with large reserves, making considerable profits upon present workings, and paying dividends every two months, that are likely to be maintained for many years to come, varying from £15 to £25 per cent. per annum upon immediate investments. The great majority of the new adventures, termed mines, are in debt, without prospects, and utterly valueless. Safe and profitable investment can only be effected by acting upon reliable information. The undersigned are in constant communication with the best mining districts, do not speculate on their own account, but confine themselves exclusively to a commission business, and are, therefore, in a position to give an independent and disinterested ophinon. Every information afforded for the safe investment of capital; and purchases and sales effected with the utmost promptitude, and upon the best possible terms.

JAMES S. TRIPP AND CO., 33, Clement's-lane, Lombard-street.

CAPT. THOMAS DUNN, of TAVISTOCK, undertakes to INSPECT, REPORT, and SURVEY any MINES or MINERAL PROPERTY in ENGLAND, IRELAND, SCOTLAND, or WALES. No objection to take the management of any mine or mines in the neighbourhood of Tavistock.

MR. HY. GOULD SHARP, MINING SHAREBROKER, is prepared to TRANSACT BUSINESS in all the most promising UNDER-TAKINGS, at the closest prices.

Office, 4, Cushion-court, Old Broad-street, London.

MR. LELEAN, 4, CUSHION COURT, OLD BROAD STREET,
LONDON.—BUSINESS TRANSACTED in every description of BRITISH
STOCKS, FUNDS, and SECURITIES; also, BRITISH and FOREIGN MINES MR. LELEAN has the following MINE SHARES FOR SALE, or

R. LELEAN has the following MINE, SHAKES FOR SALE, or any portion of them, at the undermentioned prices:

20 Marke Valley, £5%.

20 Wheal Wrey, £9%.

20 Spearne Consols, 35s.

30 Wheal Charlotte, £10.

24 Great Howas, 2s. 6d.

30 West Collacombe, £10.

25 Treleigh Cons., 17s. 6d.

36 Hawkmoor, 10s.

37 Owest Par Consols, 10s.

38 Owest Par Consols, 10s.

39 Owest Collacombe, £%.

39 West Collacombe, £%.

30 For Lakkan has also many other valuable shares to sell, that are paying from 15 to 25 and 27 per cent.; and will be most happy to furnish every information that is necessary to guide capitalists wishing to invest in mines.

Mining Offices, 4, Cushion-court, Old Broad-street, London.

C EORGE SPRATLEY is a BUYER of the following SHARES:

1 20 Wheal Wrey.
2 Craddock Moor.
5 West Providence.
5 West Providence.
15 North Basset.
22 Hingston Down.
1 West Seton.
1 West Seton.
2 West Basset. Towheal Wrey.

3 Basecan.

50 Wheal Ludoott.

15 North Basset.

100 West Sortridge.

1 Condurrow.

20 West Basset.

20 Trewetha.

Parties desirons of selling any of the above for cash, must please state lowest price and summer the selling any of the above for cash, must please state lowest price and summer for sale.

Parties desirous of seiling any of the above for cash, must please state lowest p and number for sale.

Gronos Spartiky has FOR SALE, at nett prices, the following, or any part there is the same of the same in the same in

VALUABLE DIVIDEND, FORFEITED, AND OTHER MINE SHARES

2 (256ths) Wheal Buller, paying £25 bi-monthly dividends.
1 (248ths) South Frances, paying £25 bi-monthly dividends.
1 (256ths) Wheal Basset, paying £25 bi-monthly dividends.
1 (256ths) West Damsel, paying £3 bi-monthly dividends.
1 (200ths) West Seton, paying £3 bi-monthly dividends.
1 (200ths) West Seton, paying £3 bi-monthly dividends, and will increase.
1 (1024ths) Great Devon Consols, paying £5 bi-monthly dividends,
1 (100ths) Trumpet Consols, paying £5 bi-monthly dividends.
2 (1024ths) West Providence, paying £3 bi-monthly dividends.
3 (1024ths) West Providence, paying £3 bi-monthly dividends.
1 (140ths) North Roskear, paying occasional dividends.
2 (1003ths) Base Wheal Rose, making large returns.
2 (1000ths) Stray Park and Camborne Vean, making large returns.
2 (100ths) Bray Park and Camborne Vean, making large returns.
2 (100ths) Wheal Union, making large returns.
3 (1024ths) Wheal Union, making large returns.
3 (1024ths) Great Wheal Martha.
10 (1000ths) Gorat Wheal Martha.
10 (1000ths) Great Wheal Martha.
10 (1000ths) Great Wheal Martha.
10 (1000ths) Stray Wheal Alfred, making large returns.
3 (1024ths) Great Wheal Alfred, making large returns.
3 (1024ths) Great Wheal Fortune, making large returns.
3 (1024ths) Great Wheal Alfred, making large returns.
3 (1024ths) Great Wheal Fortune, making large returns.
3 (1024ths) Great Wheal Fortune, making large returns.
4 (1024ths) Great Wheal Stray Wheal Fortune, making large returns.
4 (1024ths) Great Wheal Stray Wheal Fortune, making large returns.
4 (1024ths) Great Wheal Stray Wheal Fortune, making large returns.
4 (1024ths) Great Wheal Stray Wheal Fortune, making large returns.
4 (1024ths) Great Wheal Stray Wheal Fortune, was well as the second was well

Broad-street, London; and at Garraway's Coffee-house.

VALUABLE MINING PROPERTY IN THE COUNTY OF CORK, KNOWN AS THE CROOKHAVEN MINE,
WITH THE NEW MACHINERY, MATERIALS, SETTS, &c. JZ

MR. C. WARTON is directed by the Committee of Management to SELL, BY AUCTION, at the Mart, London, on Wednesday, 17th October, at Twelve c'clock, in One Lot, the valuable SETTS, MACHINERY, and MATERIALS of the CROOKHAVEN MINE, in a favoured mining district, ten miles from Skull, County Cork, comprising a 26 in. cylinder PUMPING and CRUSHING ENGINE; crushers, with fly-wheel; new shears and capstan; air machines; cistern; plant, &c., of which an inventory will be produced.

May be viewed upon application to Mr. Mosk, purser, on the mine, of whom particulars may be obtained. Farticulars also at the Imperial Hotel, Cork; Macken's, Angel.court, Bank; of Mr. Octivies, secretary, at the Crookhaven Mining Offices, 1, Cushion-court, Old Broad-street; at the Auction Mart; and of Mr. C. Waarton, 7, Union-court, Old Broad-street (removed from Threadnedde-street).

VALUABLE MINING SHARES FOR SALE.—FOR ABSOLUTE
SALE, BY AUCTION, at Garraway's, on Thursday, the 4th October next,
at One o'clock precisely, the following important and valuable DIVIDEND and
PROGRESSIVE CORNISH and DEVON MINING SHARES, to repay loans made

PROGRESSIVE CORNISI
thereon:—
50 Grenvillo.
2 East Basset.
10 Alfred Consols.
1 Condurrow.
100 Great Wheal Martha,
5 Great Alfred.
100 Great Vor.
1 Boiling Well.
25 North Buller.
Catalogues can be had at 50 Lady Bertha. 33 10 Hender. 2 Halamanning. 50 South Zion. 100 North Rosewarne. 10 Sortridge Consols. 1 South Frances. 50 Pedn-an-drea. 15 North Busy.
10 Carnewas.
2 Clowance Mines.
50 South Crenver.
5 Great Fortune.
2 Lelant Consols.
1 West Seton.
1 Resewance United 1 Rosewarne United. 20 Tineroft.

Catalogues can be had at Garraway's; or at the offices of John R. Pike, auctionocr, bouth Sea Chambers, London.

The Mining Exchange attended daily, and shares of every description bought and old upon commission, at the closest market prices; and a list of business done forwarded by post upon application.—Sept. 28, 1855.

M. R. R. TREDINNICK, BROKER and DEALER in BRITISH
MINES, SHARES, and STOCKS IN GENERAL, PUBLISHES a WEEKLY
CURENT LIST OF PRICES of a judicious selection of DIVIDEND, PROGRESSIVE, and bone fide SPECULATIVE COMPANIES, with other statistical and valuable information, including his Synopsis of British Mining for the past Nine Fears,
Subscribers, £2 2s. annually, including postage; or 1s. per List.

Brokerage Offices.—4, Austinfriars, London.

Sept. 18, 1855.
Publishing Offices.—10, Great St. Helen's, London.

R. E. GOMPERS, No. 98, GRACECHURCH STREET, has BUSINESS TO TRANSACT in most of the leading DIVIDEND and PROGRESSIVE MINES. Also, in Life, Fire, Maritime Insurance, Steam Navigation, various Gas Companies, and various Joint-Stock Companies' Shares, returning regu-

MR. JAMES H. COCK, MINE SHAREBROKER, GENERAL COMMISSION AGENT, and ACCOUNTANT, REDRUTH, will be happy to receive ORDERS from his friends and the public for the PURCHASE and SALE OF SHARES (ON COMMISSION ONLY) in any of the MINES in the district; also, to EXECUTE COMMISSIONS for the SALE of MINING and OTHER MATERIALS. J. H. Cock hopes by paying strict attention to business, moderate charges, and the prompt settlement of accounts, to merit a continuance of the public favours.

MR. NEWTON SAMUELSON, F.C.S., ASSAYER AND ANA-LYTICAL CHEMIST,—3, HACKIN'S HEY, LIVERPOOL. 37 MR. FRANCIS RIDGMAN, MINE SHAREBROKER, TAVISTOCK, DEVON. 10 MR. T. TYACK, MINE SHAREBROKER, AUCTIONEER, &c.,

MR. RICHARD MICHELL'S MINING, AUCTION, AND GENERAL COMMISSION AGENCY OFFICES, FORE STREET, REDRUTH. 40

Mines inspected, and information punctually furn

R. W. H. BRUMBY, STOCK AND SHAREBROKER, 1, BRIDGE STREET, BATH, is a BUYER of Bosecan, Wheal Zion, Great Sortridge Consols, Wheal Wrey, West Polberro, Clijah and Wentworth, and Sortridge Consols. FLETCHER AND CO., RAILWAY, MINING, INSURANCE, AND GENERAL SHAREBROKERS, 163, WOODHOUSE LANE, LEEDS.

A SBESTOS OR AMIANTHUS.—PURCHASERS of this mineral substance can have SAMPLES FORWARDED on application to J. J. Gussion, St. Austell, Cornwall.—Sept. 20, 1855.

COBALT AND NICKEL.—HENRY MERRY, REFINER DEPENDENT OF COBALT AND NICKEL ORES, and ASSAYER IN NERAL.—Address, LEE CRESCENT, BIRMINGHAM.

VICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, MILL STREET, BROAD STREET, BIRMINGHAM.—STEPHEN EARLER begs to inform the Trade that he has the following articles for sale:—
REFINED METALLIC NICKEL. OXIDE OF COBALT. (WIRE, ac. REFINED METALLIC BIRMUTH. | GERMAN SILVER—IN INGOTS, SHEET, NICKEL AND COBALT ORES PURCHASED.

THE MIDLAND IRON COMPANY, ROTHERHAM, YORK-SHIRE, MANUFACTURERS OF RAILWAY TYRES AND AXLES FOR LOCOMOTIVE ENGINES, CARRIAGE AND WAGON WHEELS. From the tests to which this iron has been submitted by engineers and railway companies during several year, its superior quality has been generally acknowledged, and can be un-hesitatingly affirmed.

OTICE TO INVENTORS AND PATENTEES.—The OFFICES for PROCURING PATENTS are BEMOVED to No. 32, ESSEX STREET, STRAND, LONDON, where all information (British and foreign) may be obtained gratis.—AVERY, BELEFORD, GARDISSAL, and Co., patent agents and negociators.

HOLDERS OF RAILWAY OR MINING SHARES AND DEBENTURES can be ACCOMMODATED with LOANS, in small or large sums, up to £30,000, for long or short periods, at 4 per cent, per annum.—Apply to Baker and Co., 3, Union-court, Old Broad street.

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[PROVISIONALLY REGISTERED.]

GREAT WHEAL BUSY UNITED MINING COMPANY (LIMITED), KENWYN, CORNWALL. 6000 shares of £10 each, with power to increase. Deposit 50s, per share, and the remainder by calls of 25s, per share, at intervals of not less than six months.

To be worked under the "Limited Limited Act."

To be worked under the "LIGITED LIBILITY ACT."

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RICHARD HALLETT, Esq., Woodford, Essox.

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With power to increase.

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Broker-Joseph Davis, Esq., 75, Old Broad-street,

Solictrons-Messra, Wire and Child, 9, 81, Swithin's-lane, City.

EKGINKERS-SIMS and SONS, Redruth.

OFFICES.—47, OLD BROAD STREET, LOVION.

OFFICES,-47, OLD BROAD STREET, LONDON.

PROSPECTUS OF GREAT WHEAL BUSY UNITED MINES, Embracing Wheal Busy, Wheal Daniel, South Hallenbeagle, Old Hallenbeagle, North or New Hallenbeagle Mines, and an ares of ground one and a half mile long by one mile wide, situated in Kenwyn, Cornwall (dues, 1-24th; term 21 years), and abutting on Wheal Unity, Poldice, the Great Consols, and the United Mines on the north, and Treskerby and North Downs on the west.

the north, and Treskerby and North Downs on the west.

These mines contain upwards of 20 copper and tin lodes, and have paid immense profits to the adventurers. There is an adit brought into the sett from 40 to 36 ms. leep from surface, and there are engine and other shafts such to a depth in Wheal Basy of 100 fms, below the adit, at Oid and New Hallenbeagle to the 60 and 70 fm. evels, and in Wheal Daniel to about the 40 fm. level. The lodes are also driven on in the 10, 20, 30, 40, 50, and 60 fm. levels in the Hallenbeagle Mines, and in Wheal Basy the levels are extended to the 100 fm. level below the adit. These mines possessed rich copper and tin lodes when the operations ceased, for particulars of which see the reports of the several mine agents.

Gentlemen conversant with mining matters will see that these mines, comparatively speaking, are in their infancy. Some thousands of pounds sterling have been expended in introductory works, in bringing in the adits, sinking shafts, and driving evels on the lodes, as stated above, through strata of mineral ground not surpassed a my mines in the world. It only remains to draw out the water, which can be effected in a few months, that the rich courses of copper and tin ores, left when last these nines were wrought, may at once be raised to the surface, and immediate and handome returns will be made.

It is the united opinion of persons competent to speak on these mines, that when they

nines were wrought, may at once be raised to the surface, and immediate and handome returns will be made.

It is the united opinion of persons competent to speak on these mines, that when they
hall have been set to work, the immense profits that will accrue therefrom will
blace them in a position second to none in the county of Cornwall, or elsewhere.

In the report of the late engineer of the above mines, he states that the water drawn
rom Wheal Busy, on an average for 12 menths, was 478 gallons per minute; and that
m 85-inch engine will be ample not only to drain the mine, but will be sufficient to
prosecute it to a much greater depth; and that two 70-inch engines, one on the old
and the other on the new Hallenbeagle, will be sufficient for every purpose.

It is thought that much less than £60,000 will be ample to put up all proper machisery, drain the mines to the bottom, and render them dividend-paying; and that when
oo done, they will pay 30 per cent. on the capital required. It may be considered,
herefore, that there is no speculation in the concern, but a pure investment of capial; for it will be accap, from the several reports given by the mine agents, that there
supwards of £300,000 worth of copper and tin ores already discovered in the mines,
to take away.

in done, they will pay 30 per cent. on the capital required. It may be considered, herefore, that there is no speculation in the concern, but a pure investment of capital; for it will be seen, from the several reports given by the mine agents, that there is upwards of 5200,000 worth of copper and tin ores already discovered in the mines, to take away.

The operations in Wheal Busy commenced in 1810, and ceased in 1828, during which time the lord received as dues, at a 20th dish, £17, 192 193. 6d., notwithstanding the very inefficient way in which the operations were carried on, and the low standard of copper and tin, being more than 30 per cent, loss than the present price.

There were raised and sold from Wheal Busy alone the last 14 another see capital of the company of the return of tin ore was one ton of tin to every 30 tons of copper ore; making the returns of tin 185 tons, at £40 per ton, realising £10,600. And the first 12 months after the engine ceased working there were sold from Wheal Busy alone 2848 tons of copper ore, which realised £10,731 4s. 6d.; making the returns of tin 125 tons, at £40 per ton, £689. This does not show any want of ores.

The West Cornwall Railway runs through the sett from east to west. The mines are within four miles of Port Treats and six miles of Devon, and connected with both sea ports by a tram-road, which runs through the sett.

The inducement to work these shallow mines is the timprovement in machinery of the great centomy and selence displayed in all mining operations in the present day over the time when these mines that worked.

In the last working of Wheal Busy the adventurers paid 30s. per 100 kibbles to raise the stuff to surface; the engineer above referred to states the same quantity of stuff he would now engage to raise to the surface for 28. 6d. They also paid 9s. per 100 kibbles to filling and landing, and 10s. per 10n for dressing. The expense was present that the surface is the stuff of the same an

FORM OF APPLICATION FOR SHARES.

To the Directors of Great Wheal Busy United Mining Company (Limited).

Gentlemen,—I request you will allot to me shares in this company; and consideration thereof, I herewith send the deposit or first call, as smued in the p spectus, and will sign the Deed of Settlement when called upon so to do.

Date

Name in full.

Residence

Place of business Profession

Name of referee

FREN'S PATENT FUEL ECONOMISER, FOR STEAM-TENGINE BOILERS AND FURNACES.—A NEW METHOD of HEATING the FEED WATER by the spare heat from the boiler flues to boiling heat, and a considerable quantity of steam generated before it enters the boilers, thereby effect-ing a saving of from one-third to one-fourth of the fuel. May be seen at work to se-veral thousand horse-power in the manufacturing districts.—Apply to the patentee, EDWD. GREEN, Phonix Works, Wakefield.

CLAY PURIFICATION OF GAS.—This process is APPROVED and ADOPTED by some of the most intelligent GAS ENGINEERS in the kingdom, and their opinions are fully borne out by the investigations of Dr. Letheby and other scientific authorities. It will, no doubt, be employed in nearly every well managed gas-works; and will lead to an cularged consumption of gas in private houses, from which it is now excluded by a fear of its impurity.—Terms of license, &c., may be obtained of Messrs. Houses Bnorvaras, Huddersfield, agents to the patentees. In use at the gas-works of Leeds, Preston, Huddersfield, Wakefield, West Biding County Gool. &c.

THE CHEAPEST STATIONERY IN THE WORLD, at ARTHUR GRANGER'S MANUFACTORY, 308, HIGH HOLBORN, near Chancery-lane. Branches: 10, Fitaroy-terrace, New-road; and 9, Holborn, pars, City, London.

NGINEERS, MECHANISTS, ARTISTS, BUILDERS, CHE-MISTS, MUSICIANS, and all SCIENTFIC Professionals and Amateurs, will find at the ROYAL POLYTECHNIC every Novelty, in Peace or War, likely to interest Inventors, Capitalists, or Students. Models on the largest scale; LECTURES by the ablast professors; EXHIBITIONS constantly varied, and most instructive and amusing. Open 12 hours daily.—Admission to the whole, ONE SHILLING. Liberal arrangements entered into with conductors of Railway Excursion, heads of Schools, Pactories, and large employers of Skilled Labour; and Special Illustrations given for Operators and Scholars. Inventors and Manufacturers of Unique Articles of Utility or Besulty are invited to judge for themselves of the advantage of having their Designs and Products displayed at the POTYTECHNIC, the most frequented and highly patroniced Institution of the kind in Europe, and one invariably visited by all sacess and celebrities arriving in London. Particulars on application, pageonally or by letter, to J. H. Peppen, Eaq., Managing Director.

ONDON AND NORTH-WESTERN RAILWAY,—
CONTRACT FOR PERMANENT WAY MATERIALS,—The Directors of
the London and North-Western Railway Company are prepared to receive TENDERS
for the SUPPLY of the undermentioned MATERIALS:—
100,000 SLEEPERS.
500 tons FISH PLATES.

the London and North-Western Railway Company are prepared to receive TENDERS for the SUPPLY of the undernantioned MATERIALS:

100,000 SLEFERIS.

4,000 tons CHAIRS.

120 tons BOLTS and NUTS.

Specifications, with particulars, may be obtained on application to the Permanent Way Office, Railway Station, Stafford.

Tenders, addressed to the secretary, at this office, to be sent in on or before Wednesday, the 10th October, 1855.

By order,

CHAS. EDWD. STEWART, Sec.

Secretary's Office, Euston Station, Sept. 15, 1855.

CHALEDONIAN RAILWAY COMPANY.—At the TWENTY-FIRST HALF-YEARLY GENERAL MEETING of the Caledonian Railway Company, held at the Merchants' Hall, Glasgow, on Tuesday, the 25th day of Sept. 1855.—WM. JOHNSTON, Eaq. (Chairman of the Board of Directors), in the chair. The advertisement calling the meeting having been read, the common seal of the company was attached to the register of proprietors in presence of the meeting. The following resolutions were passed:—

1st. That the report of the directors, together with the balance-sheet and statements of accounts laid before the meeting, be received and adopted; and that dividends be now declared for the half-year ending July 31, 1855, on the preference stock of the company at the raje £1 los. per cent. per annum; on the Caledonian Railway 2 per cent. preference half-shares, at the rate of £5 per cent. per annum; and on the consolidated ordinary stock of the company, at the rate of £5 per cent. per annum; and on the consolidated ordinary stock of the company at the rate of £5 per cent. per annum; and on the consolidated ordinary stock of the company at the rate of £5 per cent. per annum; less income tax in each case, and all payable on the 9th day of October next.

2d. That this meeting approves of the spirit of compromise exhibited by the directors.

ledonian Railway 5 per cent. preference nail-snares, at the rate of £3 per cent. per annum; and on the consolidated ordinary stock of the company, at the rate of £3 per cent, per annum, less income tax in each case, and all payable on the 9th day of October next.

2d. That this meeting approves of the spirit of compromise exhibited by the directors in their negociation for a settlement of the differences with the Edinburgh and Glasgow Railway Company; concurs with the directors in the propriety of continued exertions to bring about a general settlement, so that future competition may be avoided, either with the Edinburgh and Glasgow or with other companies; and concurs also in the propriety of endexouring to effect a settlement, either by a meeting of deputations from the two boards, or by referring the whole matters in dispute to such arbitration as may be acceptable to all the companies interested.

3d. That William Johnston, Eq., Glasgow, who retires from office at this meeting by rotation, be re-elected one of the directors of the company.

4th. That Alexander M'Gregor, Esq., Liverpool, who retires from office at this meeting by rotation, be re-elected one of the directors of the company.

5th. That Captain David Marshail, H.E.L.C.S., 10, Royal-terrace, Edinburgh, be elected one of the directors of the company.

6th. That the declaration of forfeiture of the undermentioned shares, of which due notice has been given, be confirmed, and that the directors be empowered to sell, cancel, or other wise dispose of the same.

7th. First, That the sum of £375,000 be raised under the powers of the Caledonian Railway (plant and station accommodation) Act, 1835, by the creation and issue of 30,000 shares of £12 10s. each, to be called "Caledonian Railway Preference Quarter Shares, and the same shall be £2 10s, per share upon the said Preference Cuarter Shares in respect of each £13 in the directors shall fax the period for payment.

Third. That devery proprietor of existing ordinary stock of the company, who shall be re

for the same, and agree to pay the deposit three same, and agree to pay the deposit three same as soon as the said sum of £375,000 shall have been subscribed, and one half thereof paid up, the directors be, and are hereby, authorised to borrow on mortgage or bond, under the powers of the said Caledonian Railway (plant and station accommodation) Act 1855; and if paid up, again to borrow any sum or sums of money not exceeding £124,000.

The thanks of the meeting were unanimously voted to the Chairman for his conduct in the chair.—Giasgow, Sept. 25, 1855.

ARCHD. GIBSON, Sec.

R A V A L L E Y R A I L W A Y FROM SHREWSBURY TO MINSTERLEY. Capital £50,000, in shares of £10 each.—Deposit £1 per share. Under the sanction of the influential parties interested in the district including— Lord Dosculston, M.P. Sir J. R. KYNASTON, Bart, Hardwick Hall. The Rev. E. NICHOLSON, Minsterley. JOSEPH HICKMAN, Esg., Brockton. The Rev. E. NICHOLSON, Minsterley.

The Rev. E. NICHOLSON, Minsterley.

Hall.
The Rev. T. P. MORE, Linley Hall.
HENRY LYSTER, Esq., Rowton Castle.
W. O. NICCOLLS, Esq., Shrewsbury.
W. A. COTTON, Esq., Bedford.
THOMAS BOYCOTT, Esq., Rudge Hall.
The Rev. C. DRURY, Pontesbury.
The Rev. EDWARD MUCKLESTON,
Shrewsbury.

ENGINEER—David Wylie, Esq., Shrewsbury.

Mr. MEBEDITH, Shrewsbury.
Mr. MEBEDITH, Shrewsbury.
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Mr. MEBEDITH, Shrewsbury.
Mr. JAMES ENSOR, Esq., Rorvington Mines
J. V. N. WILLIAMS, Esq., Bangor.
J. V. N. WILLIAMS, Esq., Bangor.
Mr. JAMES ICKE, Shrewsbury.
Mr. JAMES ENSOR, Esq., Rorvington Mines
J. V. N. WILLIAMS, Esq., Bangor.
J. V. N. WILLIAMS, Esq., Bangor.
Mr. JAMES ICKE, Shrewsbury.
Mr. JAMES ICKE, Shrewsbury.
Mr. MEBEDITH, Shrewsbury.

Bankers—Messrs, Burton, Lloyd, and Co., Shrewsbury.

Messrs, Glyn, Mills, and Co., Lombard-street, London. 16

Solictross—Messrs. How and Son, Shrewsbury.

This railway is projected with a view, in the first instance, to aid in developing the resources of the extensive and rich mineral district at and near Minsterley, and to afford the accommodation of railway transit to a wide extent of country in the south-western portion of Shropshire, now removed from convenient access to any line.

It is proposed that it shall leave the Shrewsbury and Hereford line about two miles from Shrewsbury, and follow the Valley of the Rea, passing Hook-a-gate, Messrs. Marshall's works at Hanwood, near to the smelting houses at Pontesford, and close to the villages of Pontesbury and Minsterley, terminating at Plox Green, in the township of Minsterley, in the parish of Westbury.

It was at first contemplated to extend the line at once from Minsterley through Worthen, to join the intended Oswestry and Newtown Line at or near to Caer Flos. in the parish of Montgomery, following the course indicated by nature up the Valley of the Rea, thus forming the most direct route from Shrewsbury into Central Wales, but it has subsequently been thought better to limit the project, for the present, to a line to Minsterley—requiring, of course, a far less amount of capital than if the line were carried on up to Caer Flos; whilst it is considered advisable to await the formation of the Oswestry and Newtown Railway, and also the result of other projects, which have recently been announced, for making a railway from Welchpool to Shrewsbury (possibly adopting a portion of the Rea Valley Line, before any extension of the Rea Valley from Minsterley is determined upon. Should it eventually be carried forward to join the Oswestry and Newtown Line, or should it form a portion of any other scheme for connecting Central Wales with Shrewsbury, its obvious that a great accession of traffle will be acquired by it, from the convenience it will afford and the impert

the shareholders 4 per cent, and to accept payment for a large portion of the contract in shares.

In regard to the traffic of the line, the minerals alone must be productive of very great profit. In the neighbourhood of Minsterley there are numerous mines in operation, producing, in round numbers, 5000 tons of smelted lead, or about one-tenth of the entire producing of Great Britain, annually, and no doubt can exist but this quantity would be very largely increased by the facilities afforded by a railway. The present cost of land carriage to Shrewsbury is four or five times that of railway transit; and besides this great saving in actual expenditure, the value of the saving in time can searcely be overrated. There is also an extensive coal field adjoining the proposed line, ten miles long, and about one mile wide, producing upwards of 50,000 tons annually, which also may be greatly increased by the advantage of railway carriage. A very large agricultural traffic in live stock, grain, flour, &c., and a great demand for lime and other artificial manures, may be calculated upon. The local population is also a basy and a travelling one. Amongst other modes of conveyance, there are upwards of 20 licensed and other conveyances, carrying passengers and goods from Minsterley, Pontesbury, and the adjacent districts, to Shrewsbury and back, each of them twice or thrice a week, and some more; and the Rea Valley district is densely populated with miners, colliers, and artisans of various descriptions, independently of the regular agricultural population.

Several landowners have promised substantial support to the project, and the inhabitants of the district mere are possible degree, to make the line in the most economical way, to conciliate various interests, and to avoid, as far as possible, all annoyance to handowners through whose property the line may pass. They are strongly impressed with the conviction that the line is one actually called for by the wants of the district, and that it is likely to become a lucrative

Applications for shares may be addressed to Messrs. How and Sox, of Shrowsbury, the solicitors of the company; and to Messrs. HENRY TUDOR and Son, sharebrokers, Stock Exchange, London.

FORM OF APPLICATION FOR SHARES

ress of referee ...

DREWSTEIGNTON MINING AND LIMESTONE COMPANY,

PARISH OF DREWSTEIGNTON, IN THE COUNTY OF DEVON. Established and conducted on the "Corr-BOOK PRINCIPLE"

In 30,000 shares, of 10s. each.—No further calls to be made, or liabilities incurred.

A Copy of the Report of the Committee, presented on the 13th inst., may be had at the offices of the company.

Applications for the remaining shares to be addressed to Mr. James Phillips, managing director, 31, Bush-lane, Cannon-street.

The nucleus of this company has been formed by a few private gentiemen interested in mines. The idea of its construction originated with the present manager, in order to meet the great difficulties encountered by persons wishing to invest in mineral properties. It is well known that the large profits realised by mining are divided by persons obtaining secret information of discoveries and improvement, and by their agents in town. Cases constantly occur of the same shares being transferred many times in the course of a short period, involving the sacrifice of 20 per cent. of the capital for commission. By this company's arrangements, these sacrifices will be prevented, and the whole of the profit secured to the investor.

The originator of this company has been constantly applied to for advice by many clergymen and gentlemen in town and country, and has recommended purchases, which have afforded large profits. Being unable to continue so extensive a correspondence, he adopts this plan of meeting their necessities, and those of the numerous other persons similarly circumstanced. It is proposed:—

1. To purchase shares in dividend mines, or those approaching that position.

2. To avoid young and speculative mines, however tempting in appearance.

3. To lend cash for short periods, at 10 per cent., on good shares and safe terms.

4. To employ trustworthy and competent agents in the mining and safe terms.

5. To be prepared at any moment to purchase valuable shares, which are often obtainable at least than the market price, because saving the seller the loss usually strendant on delay in settlement.

6. The sell shares when excitement has forced the price too high; and to buy when

ainable at less than the market price, because saving the seller the loss usually atendant on delay in settlement.

6. To sell shares when excitement has forced the price too high; and to buy when
tepression has produced the opposite effect.
The company to be formed in accordance with the new "Limited Liability Act."
The shares to be 1000, of £100 cach. The amount to be paid by two instaiments of
£50 cach, on the 20th October and 1st January next.

The executive to consist of a manager, secretary, four directors, and country agents.
The expenses to be kept down to the lowest possible level.
No mining broker, or shawn to the lowest possible level.
The meetings for general business and declaration of dividends to be held halfyearly.

The meetings for general business and declaration of dividends to be held half-yearly.

The objects of this company having been carried out on a small scale by the projector and his friends, and found to produce 40 per cent, profit, and he having eagact to use his extensive acquaintance with mining affairs for its benefit, in addition to the experience of its directors and agents, there appears no reason why enough of the million sterling of profit annually made from mineral property should not be obtained by this company, so as to pay 20 per cent., and also leave a reserve fund. Mine share purchasers will see that the intention of this company, wisely carried out, will form the long-desired connecting link between them and the mineral resources of this country, and constitute a medium through which their capital can safely and profitably flow. As it is expected that treble the number of shares will be applied for, they will be supplied in rotation. Each application must be accompanied by an order for £1 per share (that being considered the best reference) upon the number requested, addressed to Ronker Oppon (Messra. Offord and Co.), 79, Wellstreet, Oxford-street, London.

THE TRENDESS ALT TON TINE.

210,000, in 200 subscriptions of £50 each.

On Lives of not less than Seventy Years of Age, on the 1st January, 1855.

The return of each subscription secured on the death of the nominee.

TRUSTEES.

SIDNEY BEISLY, Eq., 17, Hyde-park-gate South, Kensington Gore.
FRANK WHITTAKER BUSH, Eq., 9, Old-square, Lincoln's Inn.
JAMES E. SAUNDERS, Eaq., 7, Lower Thames-street.

BANKERS—London and Westminster Bank.

SOLICITORS—Messrs. Boldy and Pattison, 1, Lincoln's Inn-fields.

LOCAL AGENTS—Messrs. Pattison, White, and Diagley, solicitors, Launceston.

SECRETARY—Perry F. Nursey, Esq.

OFFICES,—17, BARGE YARD CHAMBERS, BUCKLERSBURY.

OFFICES,—17, BARGE YARD CHAMBERS, BUCKLERSBURY.
(Late the offices of the Devon Great Consols.)

ABSTRACT OF PROSPECTUS.

A Tontine is comprised of small investments for life annuities, with immense benefit of survivorship; and the Trenalt Tontine possesses the unique and important feature of providing for the return of the amount of each subscription on the laps of the life of the nominee. the or the nominee, te estate of this toutine is situate in the parish of Trewen, in the county of Con-and consists of 160 acres of freehold land, embracing the entire village or ham-in propagat

The estate of this tontine is situate in the parish of Trewen, in the county of Canwall, and consists of 10s acres of freehold land, embracing the entire village or hamblet of Trenait.

It is proposed to raise the capital in 200 nominations of £50 each, and that the estate shall be held for the benefit of the subscribers as personal estate. Half-shares of £25 each will, however, be received where the two parties subscribing £25 each mutually agree on one life.

On payment of each subscription, a policy of insurance on the life of the nomines will be given to the subscriber.

Each subscription of £50 each, or two of £25 each, must be held upon one life of either sex, of not less than 70 years of age, to be nominated by the subscriber; and apon the fall of any life, the share in the ultimate stake depending thereon will nerge for the benefit of the owners of the continuing shares. As soon as the lives shall be reduced to one, the entire estate, and all'its benefits, will pass into the possession of the nominor of this life, and become his fee-simple; but as the property is capable of being divided into three compact farms, with residence on each, it may be desirable to divide the tontine when the survivors are reduced to three.

From the data given in the detailed prospectus, it is evident that the revenue from the property will become very considerable; and it is therefore proposed, from the proceeds thereof, that interest, at the rate of 5 per cent. per annum, shall be pain laf-yearly on each subscription, during the life of the nominee; and that after providing for the continuing policies, and as the income accumulates, bonuses shall be appropriated from time to time to the to the continuing survivors. In this way, a subscriber of £50 may receive back his money in a short time, and yet continue ty receive he appropriated from time to time to the continuing survivors. In this way, a subscriber of £50 may receive back his money in a short time, and yet continue ty receive his chartes to be made to the secretary,

THE AMERICAN MINING CHRONICLE CONSTRUCTION AND HAND IN CHRONICLE, AND IRON MANUFACTURERS' JOURNAL, 60

THE AMERICAN MINING CHRONICLE, AND IRON MANUFACTURERS' JOURNAL, 60

The Curronicle contains full and correct particulars of the progress and prospects of every Mining and Incorporated Manufacturing Association in the United States of America, the British Provinces, Mexico, and South America, turning and Incorporated Manufacturing Association in the United States of America, turning and Incorporated Manufacturing Association in the United States of America, turning and Incorporated Manufacturing From the Companies, Sc.; Notices of New Discoveries in all branches of Medical Manufactures, and in all applications of Science to Mining; the fullest and most authentic Reports of the state of all the Foreign and Home Metal Markets; Prices Current of Media; Prices and Fluctuations of the Mining Stock and Share Markets, in New York, Socion, Philadelphia, and the other cities in the States where mining stocks are constantly occasionally dealt in, regularly sent us by reliable correspondents.

The contributors to the Mining Cirronicle embrace the most eminent scientifs geologists, and thoroughly practical miners of America. The editorial department is universally acknowledged to be conducted with great ability, and is distinguished for the truth and impartiality of its discussions, and the fearlessness with which baseless schemes are exploded and unprincipled speculators exposed.

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PAPER for MECHANICS and INVENTORS. Each number is illustrated with Five to Ten Original Engravings of New Mechanical Inventions; 200., a the American Patents; worth ten times the subscription price to every inventor. Ten Ils. per annum.—Apply to Avray, Belliord, Gardinssal, and Co., patent agents in good at the control of the contr and New York.

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O MORE RHEUMATISM!—THE PAUSILIPPIC LOTION,
for the SPEEDY CURE of scute Rheumatism, the most distracting Nerrous
every part of the body, and many other complaints, by a few ontward and painte
applications to the part affected. A couple of days, in most cases, will suffee to completely cure the sufferer.

The number of testimonials in the hands of the amount of the almost mire.

recently received:— To MESSIS. FRANZ NIEMETER AND CO.

July 30, 1855.—GENTLEMEN: I have used the Pausilippie Lotion as means of refrom rheumatism in the shoulder, and sciatica in the hip; my suffering, especially
lief for rheumatism, was extremely acute, and I found myself completely relief by
from rheumatism, was extremely acute, and I found myself completely relief by
applying the lotion morning and evening for three successive days. I had to take a
applying the time to abandon my ordinary avocation. I consider is due to you,
and during the time to abandon my ordinary avocation. I consider is due to you,
feel induced in the interest of suffering humanity, to authorize the
those lines.

F. T. PORTER, Magistrate, Head Office, Dublin Police.

Victoria Park, Doneucarney, June 10, 1885.—Greynemen: I feel extremely oblige.

F. T. PORTER, Magistrate, Head Office, Junia.

Fictoria Perk, Doneycarney, June 10, 1855.—Greet, Effect of 1 feel extremely obligated you for your very valuable rheumatic totion, which I applied three times only directed, to my arm, when I was completely relieved from the very severe rhemanic manner which I had suffered incessantly for three months, and which I feared had some chronic. I do trust this most valuable discovery may be made available to decome chronic. I do trust this most valuable discovery may be made available to the come chronic. I no bottles at 2s. 3d. and 4s. 6d. with a mole directions for use.

public.—I am, &c.,

In bottles at 2a, 9d, and 4s, 6d., with ample directions for use.

Soid in London by Messrs, Hieose, chemist, 35, Piccadilly, opposite St. Jame
Soid in London by Messrs, Hieose, chemist, 35, Piccadilly, opposite St. Jame
Church; Coleny and Co., 112, Cheapside; E. D. SHINTLIFF, 90, Chiswill-street, it
WILLMOTT, 83, St. Margaret's-hill, Borough; in Dublin, by Messrs, Exylix as
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EVANS, Packville-street; in Australia, by Mr. HINRY L. DAVIS, Liverpoolsite
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P. Niemener and Co. will forward a box containing twelve bottles of bob attended to.

P. Niemener and Co. will forward a box containing twelve bottles of bob attended to the Pausilippic Lotion, free of carriage, to any part of the kingdom, or resist of the post-office order for £2 6a, 6d.

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Original Carrespondence.

BON CANNON, AND IRON TUBULAR BRIDGES. Mr. Noad's experiments on chain that had become brittle and use abless correct. In our colliery districts we fasten lengths of the end of the ropes, which, after some service, are less to be deon than the ropes themselves. They then require annealing to gail right again, and even ships' cables, which are not so actively and still be annealed after a certain time of service, which it is

sould state to determine.

out to examine the subject briefly, I must begin with the question ignitiant to determine.

of to examine the subject briefly, I must begin with the question, rist-iron? In these days of progress we may, perhaps, not be see what anything is. However, it is generally supposed to be a not iron and carbon as the principal ingredients, and its natural ris crystals. The presence of carbon enables the atoms of iron to bely upon each other when heated, so as to become fluid. The next is is what is malleable iron? Is it not these same crystallised params the earbon driven off by heat in manufacture, more or less of mable to move on each other in a fluid state, but soft and testificantly so to enable the crystals to be pressed or hammered their normal form, and assuming more or less a laminated form; a faquality of malleable iron depends a good deal on the completer which this is effected. Wire may be taken as nearly the period cases it is imperfectly done, and by means of the electrical caused by motion or vibration, the particles strive to regain their condition, and will more or less regain their crystalline form, with in proportion to the intensity of this action. Colliery chains are always in motion.

is proportion to the intensity of this action. Colliery chains are silvery proportion to the intensity of this action. Colliery chains are silvery as motion.

Nat's reasoning, that "annealing changes the form of iron from liet barbons," is too much to assent to. What is annealing? Animals take to be the same process as annealing glass. I suppose such a softening of the particles as enables them by attraction to imply together, giving a cohesion that cannot be overcome in iron a giring the effect of friction to the broken faces, and the appear-famination. It is not easy to think that the expansion of a bar of pleat would force the crystals back into their laminated or bruised. However this may be, the effects of crystallisation on Nasmyth's most were well known by some long before it was concluded. I beyond the intensity is counteracted by its expansion by heat, and I believe the dhamering on iron to be comparatively very superficial. Notating the weight of Nasmyth's hammer, it would have little or no save effect on the centre of the mass of iron, but it would cause a surbation, most favourable to crystallisation. If the hammer could must to the centre, the crystals would be crushed down, and the iron issues the laminated appearance.

substation, most favourable to crystalisation. If the hammer could sense to the centre, the crystals would be crushed down, and the iron issume the laminated appearance.

So with Mr. Noad most fully in his remarks on tubular bridges. I see how it is possible to consider them as permanent structures, and of thin and, therefore, well compressed pieces, they may stand sizable time, but the effect of vibration in exciting electrical action, eag crystals and destroying cohesion, if it be slow, will be sure, and most anneal tube bridges in situ, to restore their strength.

It is a fancy that after every annealing, iron will lose a little of its orisingth, and that to be equal to it, a little compression should, if postingth, and that to be equal to it, a little compression of a large mass of the no faith in whatever. Such compression will be greatest at the mad diminish to the centre; therefore, unequal and unsuitable for a There may be a reasonable doubt whether a malleable cannon than its shot better than a cast one, but it would be less liable to be injured by an enemy's shot; it would last longer, and might sion and out of the success of iron guns, so far as making them saft, Darlington, Sept. 18.

Henry Chayton.

AN IMPROVED STEAM-HAMMER.

The extensive circulation of your Journal in the iron manufac adengineering establishments throughout the country, and the

and engineering establishments throughout the country, and the sayou have at all times shown in giving publicity to scientific sublive induced me to forward you a brief description of my patent imdiam.hammer, and I shall be glad if you can spare-room for its
dian your pages.

Hantion has for several years been particularly directed to the pracmins of the steam-hammer, during which time numerous breaksize scients of all kinds, together with the effects of wear and tear
and to this machine, have afforded me the most ample opportunities
sing ideas of my own for avoiding those practical defects and insizes that have from time to time appeared to me the most objecsparts of the machine. The general construction and operation of
sun-hammer are now too well understood to render it necessary to
two a detailed description. I shall, therefore, allude as briefly as
is the leading points of the arrangement I have now the pleasure
be your notice as a combination of improvements, which I have
satisfaction of stating is now in regular operation, producing the
invanisher results.

by our notice as a combination of improvements, which I have satisfaction of stating is now in regular operation, producing the insurable results.

Lamer-block works in the vertical guides of the main framing in the insurable results.

Lamer-block works in the vertical guides of the main framing in the standards, as is usually the case, I fix it between the vertical cheeks, an in the framing, close to, and parallel with, the hammer-block, imig a most substantial connection and support to the main standard effecting a very important reduction in the absolute height of the standard effecting a very important reduction in the absolute height of the standard effecting a very important reduction in the absolute height of the standard effecting a very important reduction in the absolute height of the standard effecting a very important reduction in the absolute height of the standard effecting a very important reduction in the absolute height of the framing. Adjustable guide is provided, to compensate any wearing away of the slides, but just a requisite only in extreme cases, owing to the increased of the hammer-block. The piston-rod werk sthrough a stuffing-the cylinder cover, and is attached at its upper end to a strong provant engineer to the hammer block, which overhangs the cylinder detects of compression arising from the concussion to a the ordinary arrangement, the piston-rod is exposed at every the hammer, which soon produces extreme brittleness and liability. The piston is formed of one piece of wrought-iron, made as active will permit, and is fitted with a very light description of specing, which I have found to be very durable. At the lower the back of the cylinder is situated the valve-box, from which is a sea and canadisare to the upper part of the cylinder. The valve constants are brought round to the front where the necessary arrangements are brought round to the front where the necessary arrangements are brought round to the front where the necessary arrangements are brought round to the front where t me brought round to the front where the necessary arrangements for the adjustment and regulation of the motion of the hammer. I employ a rack and pinion, which is not only quicker in its is much easier to work, and less complicated, than the old in addition to a self-section relationship. we, I employ a rack and pinon, which is not only quicker in its much easier to work, and less complicated, than the old la addition to a self-acting valve apparatus, I make use of a substanting valve for working the hammer by hand, which is treedingly useful; in fact, it is indispensable to a perfect It enables the attendant to dispense with the self-acting apparatus with the hammer by hand at any instant he may require to do a telering the slightest impediment in any respect. Both valves made on the equilibrium principle, so as to require the least possible to a perfect which is the destructive wear and tear of the old method in which the sale valve is used. None of the stuffing-boxes are exposed to read the stuffing is employed simply to prevent the stan from the exhausting passages. The disposition of the same from the exhausting passages. The disposition of the same from the exhausting passages. The disposition of the same from the exhausting passages. The disposition of the same of the prevent the passage of the cylinder, the passage of the cylinder, the passage of the prevent the passage of the cylinder cover, and hoisting the hammer-block to be cause. There are several other peculiar advantages in this that he fear of trespassing too much upon your space prevent allusion to them at present. I, therefore, conclude by stating

that a 6-ton hammer, constructed in accordance with these improvements, is now in constant operation at the Bowling Iron Works, where its capabilities and efficiency have been severely and satisfactorily tested during a period of several months.—Bowling, Sept. 20. J. C. Pearce.

HOW SOME MINING COMPANIES ARE CONDUCTED.+

Six.—Probably we are not alone mong your readers in the opinion that reports of mine and other meetings should, as nearly as possible, convey to the absent shareholder the impressions he would should, as nearly as possible, convey to the absent shareholder the impressions he would should a property of the absent shareholder the impression has been always an interest of the absent shareholder the property of the absent shareholder were provided to the absent shareholder were provided to the absent shareholder were present, so that there is a propriety in asking you to record in your Journal, as early as convention of what passed, we think it should have been.—We enclose our cardiol. Solid to the absent shareholder were present, so that there is a propriety in a sharehold has been.—We enclose our cardiol. Solid to the shareholder were present, so that there is a propriety in a sharehold has been.—We enclose our cardiol. Solid to share the shareholder were present, so that there is a propriety in a shareholder were present, so that there is a propriety and the shareholder were present, so that there is a propriety and the shareholder were present, so that there is a propriety in a shareholder were present as the shareholder were

part, he would take care of himself in the matter.—A nesse of some before the meeting.

Best thanks having been voted to the late committee, Mr. Lusu announced to Mr. Burls that he was going to move for a new committee, from which he would be excluded; he did not wish to take Mr. Burls by surprise.—Mr. Burus said, the surprise was that he had not been sent off three months ago, when Col. Croft, a most respectable man, was got rid of by the same sort of process.—Mr. Lusu said, the committee he should move were Messrs. Seward, Ensor, Scallad, and Northen, they were gentlemen in whom he had great considence.—Mr. Burus bore witness to the entire eligibility of Mr. Northen, and was glad his place was to be filled up by such a man. As to Mr. Scalis, he had scarcely ever attended committees.

of shares for sale be sent to each shareholder; and expressing confidence in Mr. Daly for the manner in which he had discharged his duties.

BLAENAVON IRON AND COAL COMPANY.

BLAENAVON IRON AND COAL COMPANY.

SIE,—You will much oblige me by correcting an error in yoar report of this company's meeting, held at the London Tavern on the 19th inst., which conveys an erronous impression of what I said respecting the management. What I stated was, that as long as the works were managed by a London board, there never would be, as there never had been during the last 10 years, a single dividend from real profits; that eight directors were an useless burden, and that three or four would manage much better—say, one or two in London, to direct the financial and sales departments, and two in the country, practical and competent, who should attend regularly at the works, to confer with and assist the present manager.

Again, in your remarks on the meeting, at page 608, you state:—"The objection having been persisted in, Mesars, Steel and Hill came forward as the responsible parties, and the business was allowed to proceed." Nothing of the kind escaped from me, nor do I think from Mr. Chas, Steel. I stated that I knew nothing whatever of Messrs, Banks and Co., and their committee, further than their circulars conveyed, and that I thought the meeting ought to know who the parties were. Mr. Isanks having given up their names to the Chairman, the business of the meeting proceeded. Wildon Works, Abergavenny, Sept. 26.

State of the committee, further than their circulars conveyed, what in a land that I apidt the amoes to the Chairman, the business of the meeting proceeded. Wildon Works, Abergueany, Sept. 20.

BIAENAVON IRON AND COAL COMPANY.

Sig.—The amateur miner, Mr. J. C. Hill, again appeared in the field at the late meeting of the discontented—whether shareholders, or those who would be shareholders, in spite of the bad reputer (the company—and in his usual oracular manner wound in the proceedings with expressing in head. If the late meeting of the proceedings with expressing in head of the discontented was in London they would never receive a penny in the shape of dividends. In reply to my letter in May last, in which I named Mr. Thomas Hill as one of the committee, that gentleman denied the fact, saying—"I beg to inform him I was not a member of the committee, but has assisted them with his advice, and by giving valuable information concerning the affairs of the company."—(Committee's Report.)

Well, the company can have no dividend as long as the London board exists; let us, then, arrange a Bleenavon board, which is to be a council of three—say, Mr. J. C. Williams, Mr. Thomas Hill year in the hill of the member of the state of the committee's Report.)

Well, the company can have no dividend as long as the London board exists; let us, then, arrange a Bleenavon board, which is to be a council of three—say, Mr. J. C. Williams, Mr. Thomas Hill year the state of the state of

THE CHARTERED COLONIAL FIBRE COMPANY.

Stm.—Another extensive speculation is about to be launched into the market. Another 100,000% is to be raised by the public. Is this to be another instance of ultimate failure? Who the promoters are has not yet been made public; but are they such men that their opinion only of the fitness and capability of the patented machinery to realise the promises made by the inventor should be taken, without any proof whatever of its efficiency? It might fairly be expected that the inventor comes forward with his machinery, well tried, and prepared to execute what he promises. This, at least, is what the public have a right to expect from him, in return for the support desired. But is this not more than he can show? I she in a position to show that he has ever had such a machine in action? To say that he has proved his invention by a small model is no proof that his machine, when built of the size required for working, will act properly and economically. And further, does there even such a model exist? It would, therefore, have a very strong appearance as if the promoters asked the public to provide the large sum of 100,000%, upon the strength of a set of most elaborate and beautiful drawings of a machine (these sheets of paper of course exist), which is asserted, when built, to do all and everything expected. It is hardly possible to imagine that any body of men of business could embrace a scheme founded on so insecure a basis as this, after the numerous and heavy losses which have already been experienced from speculations raised upon promises. The only gainers in such speculations are the engineers and machine builders. Some half-dozon of these machines may probably be ordered, and sent to various quarters of the globe, and then tried, and the capital be thus expended. If common foresight only guided the councils of the promoters, much loss might be avoided.

There can be no question but that the objects sought to be attained are of extreme importance, and if properly managed, such

FOX TOR TIN MINE, AND ITS MANAGEMENT.

FOA TOR TIN MINE, AND ITS MANAGEMENT.

Sin,—I observed in your Journal of the 15th inst. a letter from "Observer," which I thought morited no attention, as if the writer were anxious to learn anything of this mine, he might, on application at the offices of the company, find the information he enquired for; but another letter appears in the Journal of last week, from "A.V.N.," and as it contains not only grave but false assertions, I lose no time in contradicting them. Let him read his letter, and compare the following:—The directors met nearly every week for 18 months, without ever receiving one penny for their trouble. The half-yearly meetings were held, and the last a special meeting, and publicly advertised in January last, and but one shareholder attended. The directors collectively invested and paid for the company's account more than 50%, and and publicly arctised in January hast, and out one shareholder strended. The directors collectively invested and paid for the company's account more than 5004, and are prepared to pay 5004, more if the shareholders will support them. Your correspondent, "A. V. N.," is however right about the sale by the Stannaries Court; but this would not have injured the company had there not been an attempt on the part of the lessees, Messrs. Phillips and Peter, to forfeit the set; but this has not deterred the directors from doing their duty, and they hope the lessees, who are large shareholders, will rather assist, than keep them in a position of statu quo. A bill in Chancery has been drawn and will be filed, to prevent them from defrauding the shareholder, should such be necessary. It is hoped it will not be need, and will only be used as a last resource. The advantage to everyone connected will be the greater by a mutual concession. If the existing differences are removed, an association is already formed for working the mine, under the Law of Limited Liability, and reducing the shares to 2400, of 104, each, and receiving back the issued shares in proportionate payment of the new shares. But let shareholders unite, let them be active, and not seek to blame directors, who gave time and labour for 18 months, without receiving one penny for either.

A DIRECTOR, WHAN AN ACRIMENT.

WEST PHENIX MINE, AND ITS MANAGEMENT. X

before the meeting.

Best thanks having been voted to the late committee, Mr. Linar announced to Mr. Burls that he was going to move for a new committee, from which he would be excluded; he did not wish to take Mr. Burls by surprise. —Mr. Burns said, the surprise was that he had not been sent off three months ago, when Col. Croft, a most respectable man, was got rid of by the same sort of process. —M. Linar said, the committee he should move were Mesers. Seaved, Ensor, Scalla, and Northen, they were gentlemen in whom he had great considence. —Mr. Burns bore witness to the entire eligibility of Mr. Northen, and was glad his place was to be filled up by such a man. As to Mr. Scalla, he had scarcely ever attended committees.

The auditors were re-elected, with best thanks. At this period, most of the shareholder if a scent with the character given bloders, except those attached to M. Libri, left the room. As Mr. Burls was going, Mr. DALY wished to know if Mr. Burls meant to impuga his honour and integrity? —Mr. Burns reach to manifest.

Afterwards, it appears, resolutions were passed by Mr. Libri's supporters, that notice will give me such information as will enable us to get out of the apathetic state into will give me such information as will enable us to get out of the apathetic state into

which we appear to have fallen, to compel these gentlemen to do their duty, and give

which we appear to have failen, to compel these gentlemen to do their duty, and give is such information as we require. I think, Mr. Editor, it is but fair we should know from the secretary and purser how our money is speat when subscribed; and for the present I shall merely make these observations, in the hope they may meet the eye of those parties, and get them to publish the facts in reply, or that they may fail under the notice of a fellow-share-holder, who will be disposed to aid me as before mentioned.

If this letter fail in these objects, I shall deem it my duty to publish the names of the parties, by calling on them in advertisement to do their duty, and to place others on their grardies to how I and my fellow-shareholders have been served in the West Phenix Mine, which I still believe, if properly managed, would be a good mine.

Leeds, Sept. 27.

S. TOPHAM.

MINING IN IRELAND, AND ITS PROSPECTS.X

MINING IN IRELAND, AND ITS PROSPECTS.

Sir.,—It was with great pleasure I read in your last Journal the communication from Mr. T. J. Hungerford, the more especially as he is neither connected with mines or mining companies. It would appear, from the tenor of his letter, that the suspension of mining operations in the Crookhaven district has in some way militated against his interests. No man can be blamed for doing all that is possible for the general weal, and any person who endeavours to enhance the value of his own district should rather be commended than blamed; but there is one thing which must not be lost sight of, and that is consistency. If the locality be so productive as Mr. Hungerford infers, why not in the immediate neighbour hood, and among his own friends, raise the requisele capital? It is probable that there might be some difficulty in obtaining the corroborsted their ideas, enable them to obtain sufficient money to explore the locality. There is no quostion but that where a mine is opened, whether it be good or bad, a great amount of money is diffused over the surrounding district, and both farmers and shopkeepers are greatly benefited. Ireland has certainly not as yet been fully explored, nor received that attention which her mineral interests so much demand; there are numbers of lodes hitherto undeveloped, which, if carefully looked after, would amply repay the capitalist, but care and caution must be exercised. Although the state of the labourer should be regarded, yet at the same time the interests of those who embark their money should be considered. A false philanthropy should never direct a commercial enterprise; there only business views can be taken into account. If the district should, on inspection, be found worthy of trials being made, let it be properly explored, and then adequately developed, but mining enterprise must not be ascrificed for the benefit of any particular interest, or peculiar class.

Wicklove, Sept. 25.**

DHURODE MINE.**

DHURODE MINE.

DHURODE MINE.

SIR.—The account, as given by "Our own Correspondent in Skibbereen," in p. 613 of the last Journal, which he designates as the "house-breaking affair at Dhurode Mine," is in several particularsoo misrepresented, and in others so void of truth, that it is fit the matter should be also presented to your readers, and those concerned, in its true colours. There was no such case as Thomas e. Cash before the last Bantry Sessions, nor had I any previous notice of such an action. It is also untrue that Cash and Walker ever required Capt. Charies Thomas, the then agent at the mine, to write reports to their dictation, or that his refusing to do so was the cause of his services being no longer required. The true cause of Charles Thomas being "dismissed from the company's service was his insulting language, in his letter to the chairman and committee of management in London.

Touching Charles Thomas's residence on the mine, he, as is the general custom at mines, had permission to reside in apartments in the company's house on the mine, when that service expires the agent quits the residence, but in his case he refused to leave it. The sum then due to him upon the account, as stated by himself, and agreed to by me—viz., 231, 16s. 8d.—I offered to pay him at that time, if he would quietly quit the house, but he refused the money on those terms. Subsequently, in April last, the money was tendered to him in a legal form by the company's solicitor, and refused. The possession of the apartments and promises was then again demanded of him, but he refused to give it.

A room in the house has always been reserved for the use of any of the committee and purser when at the mine, both before and during Charles Thomas being the agent. It was upon the occasion of the purser requiring this room to be made ready, when expecting to visit the mine last spring, that the persons named—viz., Wm. Tonkin, sen, Wm. Tonkin, jun., Edward Tonkin, and John Harris, were engaged in that the last Bantry Sessions, a verdict being given ag

SOUTH ROBERT AND SORTRIDGE UNITED. X

SIN,—Will you allow me, through the Journal, to make a few observations respecting the so-called new mine? In the course of the last three weeks a discussion has been going on respecting the position of the Yeneton iron course, in connection with this new sett; and as I am fully convinced that the statements made by both P. H. Barratt and J. Pomroy are wrong, I will, with your permission, Sir, make a few observations on the matter in dispute, which may, perhaps, be interesting to those most concerned. Although in the prospectus of this new company there are statements respecting mining property at a very considerable distance from the position of this sett which are not applicable to it, I feel bound to tell Mr. Barratt that, if he re-examines the prospectus with proper attention, he will not find it stated that the Devon Consols cross-course passes through this sett. Mr. Barratt saks if one of the lodes laid open in costcaning is not the well-known iron course? J. Pomroy has told him it is not, and I, too, must tell him that the Yeneton iron course does not pass through South Robert; and if the examination which Mr. Barratt speaks of having made has led him to this conclusion, he has arrived at a very incorrect notion of the true state of the case, and I would with all respect recommend him to try again, when I think he will find that the iron course referred to passes in its westerly direction a little nearer the Rock Hold, on Roborough Down, than South Robert.

All the lodes on Roborough Down (and there are inany) have a line of bearing from 15° to 20° north of west and south of east, and the iron course on Yeneton Down is one of them. The lodes in Furzielli Wood do certainly run through South Robert sett, and perhaps one or two more further south; but the lodes of Devon Buller cannot possibly pass there, and this fact is well known to J. Pomroy, although he says it is proved that they do.

The Buller lodes have an angle of 30° north of west, and from the relative position of this mine to the South Robert se

opposite the latter, must be full a mile and a said with the Roborough Rock lode in Dr. Heceles' land.

There is a strong probability that the Lady Bertha lode does pass through South Robert sett, but then this mine is at least four miles from South Robert, and the lode being good at the former does not prove that it must be good in the latter, four miles off, nor even if it were within 40 fms.; and this same argument will apply with equal force to Mr. Barratt, if his presumption that the Yeneton iron lode passes through South Robert were true, for there is no reason why a lode shall not produce iron in one place, and copper or tin in another. It is a well-known fact, that at the Crimnis Mine, in Cornwall, a very large deposit of copper or was found, and the same lode produced copper, more or less, for a mile or more, when it changed to tin. As at the Charlestown Mines, the same lode was found rich in that mineral, while two miles further west it was found equally rich in from. These changes in the mineral production of lodes are due, of course, to the character of the rock through which they pass.

R. WILLIAMS.

Fedand Consols, Sept. 26.

THE NORTHAMPTONSHIRE IRON ORE.

Sin,—In the Journal of last week there appears a letter from Mr. Elliott on the Northamptonshire iron ore, in which he asks 10 or 12 questions, and though some of the questions are quite irrelevant, there are others that merit a careful answer. But before I attempt an answer, allow me to settle two or these realistics. the questions are quite irrelevant, there are others that merit a careful answer. But before I attempt an answer, allow me to settle two or three preliminary remarks with Mr. Elliott. He seems to think the men who have spent their time and lives in the smelting of the argillaceous ores of Staffordshire do not understand the nature and mode of working the slicious ores of Northamptonshire. He says, "We need not wonder at the uncertainty of the results, and the numberless errors made, by getting men from Staffordshire to work the Northamptonshire ore by itself, by the same process they have been using at other works where the ores are different." He says, "Falure will inevitably be the consequence where the business is entrusted to men who feel no particular interest in the matter, neither can a board of directors manage the business." The only remedy is "for the Northamptonshire farmer to study the whole subject of iron-naking, and having mastered it in all its branches, see that his plans are strictly adhered to;" but he does not tell us how the Northamptonshire farmer is to get his information. I suppose he would have them read Mushet and "Overman," and build trial farnaces, and sit in the laboratory watching the crucible, till they made the discovery that the silicious ores of Northamptonshire contain prevaide of iron, 54; silica, 12; alumina and carbonate of lime, 12; water, 12; magnesia, 2; and then they would know as much as man reared in the smoke of a blast furnace sould have told them at once. Allow me, in conclusion, to say that if he or any other gentleman in Northamptonshire is to get a practical knowledge of iron annufacture, he must throw his theoretical notions overboard, and sit at the feet of the men who, in his estimation, have but one idea.

Mr. Elliott's first question is, "Can it be necessary to mix the Northamptonshire over with the Staffordshire?" Althoush economy dictates the use of them in Stafford.

manufacture, he must throw his theoretical notions overboard, and sit at the feet of the men who, in his estimation, have but one idea.

Mr. Elliott's first question is, "Can it be necessary to mix the Northamptonshire ore with the Staffordshire?" Although economy dictates the use of them in Staffordshire, I beg to say that if furnaces were properly constructed for the smelting of Northamptonshire ore, and judiciously managed by steady, practical men, good common iron would be made from the Northamptonshire ore alone, but not equal to what would be obtained from a mixture of the argillaceous with the stilicious; but the matter of £ s. d. puts it entirely out of the question, as the Staffordshire ores would cost nearly 50s. per ton at Northampton; therefore, the question need not be mooted which is the best, as absolute necessity throws you back upon your own resources, although it was stated by Mr. Lucas, in your Journal of last week, that no mixture was needed, and that the only way to work the ore was by itself. He expresses his satonishment at Mr. Hinde and the committee mixing the ore, after he had so repeatedly told them the only way was to work it by itself. I beg to say that if Mr. Hinde wished to give the ores an impartial trial, he took the right way gradually to keep out the Shropshire ore, and substitute the Northamptonshire. Had he done so all at once, he would have deranged the furnace, and rendered the iron perfectly worthless for several days. I have no wish to damage the character of Mr. Lucas, but merely send word that the Shropshire ore is not more refractory than the Northamptonshire. It is admitted to be one of the kindest ores in England; hence the world-wide fame of "Shropshire iron."

The second question Mr. Elliott sake is, "Is not all the iron the same in the raw state?" Mr. Elliott admits, in the former part of his letter, that the same pit will produce ores of a different quality, and here he aske "if the iron is not all the same in the raw state?" While in the next question he asks,

would think of paying men to get dirt, and going to the expense of smelting it, and then wheeling it away, in order to make slags, for that is all it would do, upless it stopped the furnace, and spoiled the iron; and then as to all kind of ores being found in Northamptonshire in abundance, Mr. Elliott must be under a mistake.

The next in order is, "How is it that by different processes we get good and bad iron from the sams ore!" This, to a great extent, depends on the burden and management of the furnace. If quantity is desired, of course the burden is hereased, and the iron becomes inferior; but if good iron is wanted, the quantity of ore and limestone is decreased, and the iron gradually improves, but the make is less, and the cost of making per ton increased; but if the furnace should become deranged, the quality is bad, and the quantity short, as a rule; both follow a derangement of the furnace. There are many things that will tend to this derangement; in fact, I have known a sudden change in the atmosphere alter the working of a furnace and quality of the iron in a few hours. Tymping, twyereing, and many other things, all help to derange a furnace, and give good and bad iron from the same ore.

The next question of Mr. Elliott's is, "Is not the best from made by mixing different pig-iron in the cupola furnace?" He then says, "If you mix different ores in the furnace, how is the foundryman to know how to mix his iron?" I suppose Mr. Elliott thinks, if a quantity of inferior pigs of different make were mixed, and smelted in a cupola, the bad iron would become good. The object of mixing pig-iron in a cupola furnace is not so much to improve the quality as to adapt the iron to the purpose required. Some articles require hard, some soft, and some strong iron, and when the foundryman has several kinds of pig on hand he can make a mixture to please himself, and answer his purpose. As to his not knowing how to mix his iron, if the ores are mixed in the blast-furnace, I beg to say that the foundryman is not pilde

GOVERNMENT INSPECTION OF MINES. +

Sin,—Mr. Handel Cossham is not far wrong in saying, if Government are in earnes about inspection of mines, the best way they could do would be to establish "a mode solliery" in each mining district, for the benefit of those around, and for training upoung men to the science of mining—they would far surpass any college, such as the dwocated by Mr. Dunn.

young men to the science of mining—they would far surpass any college, such as that advocated by Mr. Dunn.

The colleges at present existing in the country may be faulty, but experience has shown that, where they have introduced chairs for civil engineering, they have not received much encouragement. Take, for example the University of Glasgow—Glasgow is the centre of a large manufacturing district, famous for steam-engines, machinery, and naval architecture, and with a population of about 400,000. Well, in 1845. I think, at the expense of the Crown, a chair for civil engineering was added to the University, and was, and still is, ably filled by Professor Gordon. The subjects treated of were thoroughly practical, such as mechanics, strength of materials, properties of heat, &c., and for a year or two he succeeded in getting a small class; but for five years, until last winter, he was unable to form a class; and how many, think you, got he out of such a large city, with many thousands of engineers and others, to whom a knowledge of the subjects treated on was most essential? Only 25.

Now, here was the right man in the right place, and such was all the encouragement he got. The people do not yet encourage theoretical lectures on practical subjects, as, I rather think, the records of the School of Mines will show.

A TAMORDHEDIC INFILIPMORS. NEW SEDIES

ATMOSPHERIC INFLUENCES-NEW SERIES. +

ATMOSPHERIC INFLUENCES—NEW SERIES.

Sin,—In reference to my papers of 1851, under the above head, in which I aftempt to show that at the period of the coal-bed formation the carti was one compact mass, and was afterwards broken up, I beg to record a most important and no less significant fact. If a line be drawn from the south of Africa, through its centre, to the north, it will intersect a second line though South America, at a point north of Iceland, towards which point all the other portions of the globe have a direct bearing, the line through Africa passing directly through England.

A consideration of this fact cannot fail in throwing much light on the original position and formation of the earth, and the period at which the dismemberment took place; but any such investigation must obviously be out of place, so long as the law of the increase of weight in matter by compression shall be left in abeyance by the scientific world.—Poliet, Dieppe, Sept. 18.

FRANKLIN COXWORTHY,

Author of Electrical Condition.

MINING IN COCKERMOUTH AND KESWICK.

Although this district cannot compete in mineral wealth with Cornwall, of even Durham or Northumberland, yet there is every reason to believe that it contains imense and valuable deposits of lead, and even copper ores, which doubtless will, at no distant period, be fully brought to light. Mining enterprise has, as yet, manifested itself very feebly in these localities; and in but few instances have either capital or experience been applied to the working of mines.

The mountains are intersected in every direction by veins of quartz and other substances, on many of which bunches, or "sops," of lead ore have at different times been discovered; and it is worthy of remark that these veins do not carry courses of ore to any length, it being almost entirely found in bunches; and to this circumstance may be attributed, in a great measure, the limited extent to which mining is carried on in this part of the country. A bunch of lead is discovered, in a few years and the properties. Now, although the position of these bunches is in many instances fortuitous, still we apprehend that, by a judicious outlay of capital, many valuable discoveries. Now, although the position of these bunches is in many instances fortuitous, still we apprehend that, by a judicious outlay of capital, many valuable discoveries where the made. Those veins which have a kindly appearance should be carefully examined, and explored by levels, due attention being paid to their intersection with others. We are acquainted with a mine in which this plan having been pursued, is likely to be followed with very favourable results.

One of the richest mines in this neighbourhood is the Goldscore, in the Vale of Newlands, about four or five miles from Keswick; it was worked upwards of 300 years ago for copper, when a level was driven on the course of the vein (nearly east and west) about 90 fms., and a shaft sunk about 50 fms. From the appearance of the old workings, it is judged that considerable quantities of ore have been

SALE OF MINING SHARES .- Mr. John Robert Pike submitted for sale SALE OF MINING SHARES.—Mr. John Robert Pike submitted for sale, by auction, at Garraway's, on Thursday, the following shares: -1415 Ulpha United, 256 East Alfred, 15 Beil and Lanarth, 250 Great Wheal Vor, 15 Great Fortune, 2 East Basset, 5 West Frances, 50 Carnewas, 50 Grenville, 100 Leeds Town Consols, 10 Lelant Consols, 5 Boiling Well, 5 Great Alfred, 10 North Busy, 5 Carvannal, 10 Wheal Wrey, 50 West Par, 1 Wheal Kitty, 10 Marke Valley, 40 Swanpool, 10 East Builler. The competition was rather brisk, and the parties in attendance included several private speculators in securities of this description. Amongst the principal purchasers connected with mining were Messer. A. Allen, Rye, Moor, Tredinnick, Lelean, and Peter Watson. The lots disposed of were at the subjoined prices: -1415 shares in the Ulpha United, at 22, 256 East Alfreds, at 4s, : 10 Rell and Lanarth, at 23, as, : 250 Grant Wheal Vor, at 16s. 6d.; 15 Great Fortunes, at 94; 2 West Frances, at 194, . 194, 10s.; 50 Carnewas, at 10s. and 10s. 6d.; 50 Wheal Grenvilles, at 24, 13s.; 10 Lelant Consols, at 151.; 5 Boiling Well, at 181.; 1 Kitty (Lelant), 381.; 10 Marke Valley, at 51. 10s.; and 10 East Buller, at 84, 2s. 6d.

DEVON WHEAL BULLER.—An intelligent agent writes, after inspecting this mine—"\$\sin : \text{In reply to your enquiry, begt to say that I have been through the mine, and am proud to congratulate you on the good prospects you have there. I first visited your western shaft, and went underground: in the 5 fathom level, from which was sold about 7 tons of rich ore, a few fathoms have been driven east and west, on a good lobe, where some rich work might be broken. The shaft is being sunk on the course of the lode, and the stuff drawn to surface shows as fine a lode as I have ever seen. The channel of ground is highly mineralised, and the killas is soft and light in colour, so that the shaft can be sunk at a cheap rate. I have no hesitation in saying you have one of the best looking lodes I have inspected for some time past, and it cannot fail to be productive. The Buller engine-shaft is fast approaching the 32 fm. level, and seeing the size and charactor of the lode in the 20, producing as it does splendid stones of ore both in the backs and bottom of the level, and about 30 tons of rich ore on the floors now ready for market, you have good prospects before you. The sett is extensive, and I can speak very highly of the lode dipping towards the one you are working on, and which are likely to form a junction in the \$6 fathom level; you will not be long in reaching this point in such an easy channel of ground. You have a good 30-inch cylinder engine, pitwork, &c.; the water-wheel and rods I should strongly advise you to sell, as water cannot be had to work them, and with your powerful engine you will not require the wheel. I find all the adjoining ground taken up, and I am convinced you have a valuable property."

LADY BERTHA MINE.—Messrs. Powell and Cooke, of Hercules-pas-

LADY BERTHA MINE .- Messrs. Powell and Cooke, of Hercules-p

A TERTOTAL PONY.—In a pit belonging to Mr. Mansfield Grieve, Cairnhill, Scotland, for some weeks past the tea flasks of many of the drawers were always found empty when the owners came to use their contents, at what is called the "corning hour," though these flasks were always carefully rolled up in the jackets or coats of the men. From the frequency of these thefit taking place, a feeling of suspicion began to be excited by almost every one against his fellow-worker. The conscious innocence of all the men led them to be equally anxious to discover the guilty party, and have him brought to justice. With this feeling they determined to set a watch on the coats. This was done one day last week. Near the place where lay the coats was a stable containing a pony called "Tom," which is used for drawing the hutches below. After the coats were laid down, and the men had gone to their work, the watchers had not long to wait to see who was the thief. "Tom" strode quietly out of his stable and went up to the coats. He then gontly, with his nose, uncovered a flask from one of the coats. This being done, he rested himself upon his hinder legs, esized the flask between his two fore feet, with his teeth drew the cork, dropped it, and then quaffed the contents, to his evident gratification. The flask being emptied, he replaced it in the coat and pressed it together with his foot, to show that it had not been touched. In this way he drained off the contents of several flasks, and then went to his stable with that cautions mine with which he left it. "Tom" has since become a general favourite; he may now quaff off as much of "the cup that cheers but not incebrates" as he likes.

An attempt to lay down the submarine telegraph across the Gulf of St.

An attempt to lay down the submarine telegraph across the Gulf of St. An attempt to fay down the submarine telegraph across the Gulf of St. Lawrence, 70 miles in length, to St. John's Newfoundiand, which would have reduced the interval for news between Liverpool and New York to six or seven days, had proved unsuccessful. After 40 miles of the cable had been run out, during a period of heavy weather, which had aiready occasioned many interruptions, the line parted, and was obliged to be abandoned. The season being now over, the enterprise cannot be renewed till nax year. It appears that, instead of a large steamer being employed, the cable was shipped on board a sailing barque, which was towed by a small steamer, and that the disaster is to be attributed to the difficulty of their keeping together in a rough sea.

Meetings of Mining Companies,

LINARES LEAD MINING COMPANY. +

The half-yearly general meeting of shareholders was held at the L m Wednesday. Mr. J. CROSBY in the chair. Mr. Cologan read the notice convening the meeting.

on Wednesday.

Mr. J. Crossw in the chair.

Mr. Colooan read the notice convening the meeting.

The Culairman said, in the absence of Mr. Warne, he would do the best his to conduct the proceedings. It was generally usual to read the report of the die first, but in this instance he would propose that Mr. Thomas's report le read after wards the directors' report.

Mr. Colooax then read the reports of Mr. Henry Thomas, the manager, said and capable of yielding much more largely, and in the smelting works there will, 000 tons of ore, a quantity much larger than at any previous time, and the map lower was equal to 750 tons of ore per month. The report of the directors that one of them, Mr. John Taylor, visited the mines in May and June lat. In the superior to them he stated that a marked improvement was apparent, with and above ground, and that the levels were approaching the richest part of the per month, but the only difficulty was the transport of the lead to the cost. In previous the colours of ore of lead was accumulating largely, and the cold not be induced to undertake its transport in the present exactly of mine folder. Much of the lead produced was still at Linares and Cordors, through difficulty of obtaining carriage. An agency had been established at Cordors, to torchouse for lead and coals, and stalls for 60 mules. A considerable quant coals had now been secured at Linares. In reference to the anxiety which Mr. 8 expressed about the means of transport, the directors observed that nothing is an additional purchase of 100 or 150 mules, and a number of earts, would issue regular transport of the lead to Seville, Owing to the very great demand for had been advanced 00 to 80 per cent., and the price of bariey 100 to 150 error for the directors, Mr. 11 and 12 mines and 12 mines of 12 mines, and a number of earts, would issue regular transport of the lead to seville. Owing to the very great demand for had been advanced 10 to 80 per cent., and the price of them throughout its soat of had been advanced to the cri

A statement of accounts was submitted, from which the following is con-

Costs and Returns for the six months ending June 30.

-Produce of 2573\sqrt{5} tons of ore smelted=1586\foxt{\$\frac{2}{3}\$ tons lead \(\frac{2}{3}\right)\sqrt{6}\sqrt{6}\$.

Amount of 8\sqrt{\$\frac{1}{3}\$ tons of ore sold in Spain \(\frac{2}{3}\right)\sqrt{6}\sqrt{7}\$.

Increased value of lead in slags, halvans, &c. \(\frac{2}{3}\right)\frac{2}{3}\right) £ 82,797

Profit on six months, to date A dividend of 10s, per share was declared. In the general a hand was 50,1351. 18s. 1d., and the profit and loss account show 11,4781. 6s. 3d.

11,478/. 6s. 3d.

Mr. VALLANCE wished to know the expense required for the purchase of Mr. W. Cox stated that the expense of purchasing 150 mules would be also even then they would not be enabled to became their own carriers the whole but only as far as Cordova.

Mr. COXMEAD said he would second the resolution for adopting the repecounts. It was not good policy to quarrel with one's bread and butter, at some gratitude for the dividend of 10s. per share; but as he had contribute crease the capital by one-third since the last dividend, in subscribing to 5000 new shares, he did think that out of the balance of 11,478. 6s. 3d. he might have given him a little bit more butter on his bread, in the shape of making the dividend 12s. per share. The stock appeared to amount to 50,18s and with such a large quantity of lead on hand they could not spend too mupon mules. He would even recommend that the company should contain the said of the shape of the said of the

making the division is a large quantity of lead on hand they could not spend too music upon mules. He would even recommend that the company should contrar railway themselves.

Mr. Cox said he was rather surprised at Mr. Coxhead's address, as one just swered the other. He was disappointed at only receiving los, dividend, has 12s., and yet with a stock amounting to 50,135, 18s. 1d. on hand, the principal faculty they had to contend with being the want of transport. Mr. Coxhead mended that they should purchase additional mules to enable them to transport mended that they should purchase additional mules to enable them to transport mended that they should purchase additional mules to enable them to transport mended that they should purchase additional mules to enable them to transport mended that they should purchase additional mules to enable them to transport mended that they should purchase additional mules to enable them to transport mended that they should purchase additional mules to enable them to the following them the receiver of lead had increased 300,000. Into profit, and they qualty and truly the profit had been 2% and every effort was made by the directors to realise it as soon as possible.

Mr. John Taxron, jun., was glad such questions were put, as it gave the tors an opportunity of answering them. He fully confirmed the report; as mine, the Linarres was one of the richest in Spain, and the work done at argue the case 500 tons per month, but the difficulty was carrying it away. The ease 500 tons per month, but the difficulty was carrying it away. The ease 500 tons per month, but the difficulty was carrying it away. The barries of the mines from 154, to 300,, and they could not ease should be not raise the price of mules from 154, to 300,, and they could not ease 500 tons per month, but the difficulty was carrying it away. The barries of the mines from 154, to 300, and they could not ease 500 tons per month, but the difficulty was carrying it away. The cash of the mines from 154, to 300, and they coul

The fifth ordinary general meeting of shareholders was held at the com 113, Fenchurch-street, on Thursday, to receive the general business,-Mr. GEORGE HELMORE in the chair.

At one o'clock, the time appointed for the meeting, only eight signessent, and the question was raised by Mr. Herapath as to wisether circuit to constitute a meeting. On reference to the Deed of Settlement that ten were necessary, and some time, consequently, clapsed before the consequently of the consequence of the consequen

of a special meeting. The them, they decided on not doing so without obtaining bave power to forfeit them, they decided on not doing so without obtaining sent of the meeting.

The CHAIRMAN, in moving the adoption of the report, said that it would be decessary for him to enter into a statement of their affairs, as they were fully in the directors' report. He would merely remark that it would be desirable the sense of the proprietary on the forfeited shares at a later stage of their ings.—Mr. Bell. seconded the motion, which was carried mannimously.

The CHAIRMAN Ret proposed that the accounts for the hold, early be sampled. They showed—Balance last audit, 611. 19s. 2d.; calls received, 1381. ore sold (December, 1854, to May, 1855), 11944. 3s. 9d.; transfer fees, interes, 2071. 11s. 8d.—28184. 6s. 1d.—Mine costs from December, 1854, to May, 1853, 1194. 14611. 18s.; merchants' bills, part October, November, and December, 1874, to May, 1862. 19s. 10d.; general cash disbursements, including office and traveillages repayments to directors, interest, commission, &c., 6134. 6s. 1146.; results and 1874. 1882. 1892

BELL, determined to pass the general account, and withdraw the share of count for amendment.

The CHAINAKA and they were now to consider and decide the question at the share which had, from the non-nayment by the holder of the calls, been felted. By the 37th clause of their Deed of Settlement they were empoured all forfeited shares, and it rested with the shareholders present to say when was to be done or not.

Mr. HERAPAKH moved a resolution to the following effect: "That them with but one dissentient. The meeting was then declared special.

The CHAINAKA said, that since the meeting had been convenient with the consequences, he was happy to state had rather tended to expedie their or than otherwise. In sinking a few fathoms below the 40 fm. level took place, causing at the time considerable alarm, but which was happing took place, causing at the time considerable alarm, but which was happing took place, causing at the time considerable alarm, but which was happing took place, causing at the time considerable alarm, but which was happing to the considerable alarm, but which was happened to the considerable alarm, but which was happened to the considerable alarm, but which was happened to the co

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nlance-sheet paresenting a six resenting a six tended that the the suggestion the share capit

the question as the calls, become ere empowered it to say whelle

That the shar LAMBERT, and o cial. cened an accide e fraught with s edite their open level a rush of level a rush of

unralities. They had, therefore, now a plentiful supply of that desirable inadiliate the working of the mine, which would improve its productive characteristic and increase the management of the mine, which would improve its productive characteristic and increase the machine. He, therefore, proposed that the consideration of the medium is to reschading the resolution passed in December—"That no durther there is no reschading the resolution passed in December—"That no durther the state of the hardholders in general meeting the medium of the surface of the

and meeting of shareholders was held at the offices of the company, 11, New 1501 read the notice convening the meeting.

maintee have the pleasure of laying before you the following reports of two she have visited this mine—viz., those of Capts. Jas. Richards and William fibe Devon Great Consols:—

the Devon Great Consols:—

is is itstated to the cast of, and adjoining, the Great Sortridge Consols, and

is is itstated to the cast of, and adjoining, the Great Sortridge Consols, and

is the same as those passing through the latter sett. The lode laid open is

is with a moderate underlay, and is composed of strong capel, mundle,

giosan, in large quantities. The nature of the country cannot be more

for copier lodes, and the granite joins the killas at the north-eastern ex
ties sett. Two cross-courses also intersect the lodes within its limits, and

the great variety of favourable circumstances here presented are such as,

ists, are amply sufficient to justify the conclusion that, at no great depth,

gortant results will attend the development of this mine.—J. Richans.

gortant results will attend the development of this mine.—J. Richans. singortant results will attend the development of this mine.—J. Richards, especied the East Sortridge Consols Mine to the east of, and adjoining, the scrige Consols. The lode laid open is a continuation of the Great Sortridge to having an underlay of 2½ feet in a fathom, presenting every good indicationation on online that copper ore will be found at no great depth; the smapped of strong capel, mundle, quartz, and a large quantity of soft gossan, shell 2ft, which is the textends about 370 fms. on the course of the lodes, siles, in width from north to south. The granite range joins the north-east this property, and there are two cross-courses passing through the sett, which metal miner will admit as being a very favourable indication for the production of the set of mineral. The stratum is of a very excellent description, and I have not used doubt that if the lodes have a fair trial ultimate success will follow, and any priod.—W. CLEMO.

see doubt that if the lodes have a fair trial ultimate success will follow, and least priod.—W. CLEMO.

committee have also the gratification of stating that many agents have recently this and the adjoining mine (Great Sortridge Consols), who have all expressed is highly leasted with both. Amongst the lastest, they refer you with pleasure the testimony came spontaneously and unsolicited, to Capt. Samuel friport (the agent of Collacombe Mine) to the Great West Sortridge proprishe recently commenced under most favourable suspices, in which occurs wis—"The large and promising lode in which East Sortridge and Great Sortridge are being wrought run through the whole length of the sett," &c. get he says, speaking of the boundary of the Great West Sortridge, it is self in the east by East Sortridge and Great Sortridge Consols, the most programines I have ever seen."

committee have decided to recommend operations to be at once commenced, infrogram of the mine to be effectually prosecuted. They suggest that an should be at once erected, and the sinking of the main shaft proceeded with flapsosible; to carry out this, it will be necessary to make a call, the amount is the meeting will have to decide. Your committee, however, think it will show to make it as low as possible. Every day a discovery may be looked fast fortridge, as they are driving cross-cuts in the 25, both north and south, set he loies. If the result be what everybody who has seen the ground and south, each of accounts was next submitted, by which it appeared the total liaments and a country time were 230. (9, 44).

maiof accounts was next submitted, by which it appeared the total lia-to the present time were 2391, 9s. 4d.

Buxus then proposed that the reports and accounts be approved, adopted,

mind amongst the shareholders. The resolution was seconded and carried

said amongst the shareholders. The resolution was seconded and carried self, amongs, said the next question was a call to enable them to prosecute the rigur. He would, therefore, propose that a call of 6d, per share be made, as he office of the company, 11, Now Broad-street; or at the Devon and Shak, Taviscok, forthwith. The resolution was unanimously adopted, lamas observed it would be very desirable to have a managing director, as give him more authority to conduct their affairs, and the gentleman he byopose was Mr. W. L. Webb, their present secretary. It is seconded the resolution, which was unanimously carried. The having acknowledge the compliment, the proceedings terminated with class to the committee generally, for their attention to the interest of the lag, and to the Chairman for his able conduct in the chair.

MGDON CONSOLS SILVER-LEAD MINING COMPANY. in geeral meeting of shareholders was held at the company's offices, 117, gestree Within, on Monday, for the purpose of taking into consideration bairgulations of the company, with a view to the alteration or crasure of the which might be found objectionable, and for general business,

shi regulations of the company, with a view to the alteration or crasure of im which might be found objectionable, and for general business,

Mr. R. Bastow in the chair.

L. Merchison read the notice convening the meeting, after which is a model that the 21st rule, which was as follows, be expunged:—"That may shareholder binds himself, and is hereby bound, to bear his proportenganess incurred in the prosecution of the undertaking; but any shure-by suddraw himself from further liability, by giving the committee for the gustes in writing of such intention, and by paying his proportion of all slikelities of whatever kind or nature that may have been incurred previous abile of withdrawal, and shall be incurred during, and to the end of, the cursh, is which such notice shall have been left with the committee; and by single of withdrawal, and shall be incurred during, and to the end of, the cursh, is which such notice shall have been left with the committee; and by its life. Powell thought this rule most oppressive to the shareholder, and energy to deprive him, in the event of being mable to pay up the calls made, steins to a share of the company's property.

Taurs said, it was only fair that every shareholder should bear his proporal stains to a share of the company's property.

Taurs said, it was only fair that every shareholders a power over its managestee, but would enable him at any time to withdraw with impunity, and by we leak it up.

The stain, which would not only be dangerous to the rights of the general sea, but would enable him at any time to withdraw with impunity, and by we leak it up.

The said shareholders, for if they were desirous of the general sea, but would enable him at any time to withdraw with impunity, and by we leak it up.

The said shareholders, for if they were desirous of the general sea, but would enable him at any time to withdraw with impunity, and by we leak it up.

The said shareholders, for if the year desirous of the convention of the shareholders, for if the year desirous of the c Mr. R. Bastow in the chair.

then dropped. are then read the report of the purser and manager, Mr. J. Wolferstan,

abilious:—

Asside is sunk 19 fms. 1 ft. below the 24 fm. level, or 71 fms. 1 ft.

We proposed some time since to sink this shaft 29 fms. below the 24,

We proposed some time since to sink this shaft 20 fms. below the 24,

we proposed some time since to sink 3 or 4 fms. more before

as drive, in order to be certain of cutting the lode under (and not in).

Its ground remains much the same as it has been for some time past,

scholared good killas, with occasionally flows of spar in it. The price

als 30, per fm. The caunter lode in the 12 fm. level has been extended

als 30, per fm. The caunter lode in the 12 fm. level has been extended

als particular alteration or improvement has taken place as yet. We,

this it right to continue driving, as there are three other lodes further

also particular alteration driving, as there are three other lodes further

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EXERAL ANNUITY ENDOWMENT ASSOCIATION. Transcring of this association was held at the London Tavern, Bi-

Tassday, -Mr. G. P. PARKIN in the chair.

in Iussiay,—Mr. G. P. Parkin in the chair.

In Chris (the scoretary) read the notice and the letter addressed to the converse that the Registers of Friendly Societies having required, which stated that the Registers of Friendly Societies having required, which stated that the Registers of Friendly Societies having required and the succession of the suc

his case of opinion that both leasehold and copynoin property ought in the collector to the company) agreed that it was necessary prebetaken on advancing upon leasehold or copynoid property; but there exit that a large rate of interest could be safely obtained upon such series and the safely obtained upon such series are such as with the consent and by the direction of the board of directors, suite of mangenet, invest all or any part of the funds of the associate of mangenet, invest all or any part of the funds of the associate of mangenet, invest all or any part of the funds of the solutions of the following investments and securities—that is to discuss the summand of the following investments and securities of the following investments and securities of the following investments and the parliamentary stocks or public funds of Great Britain, or upon sarries of any description; upon mortgages of any freehold, copyrial property upon the stocks, funds, and securities of the East India supen mortgages of rates, tolls, duties, assessments, dues, and other arguments of the superior of the

ciation had been placed in that peculiar position, that un-

COPPER ORE SOLD AT CORNWALL TICKETINGS FOR THE QUARTER ENDING SEPTEMBER 29, 1855.

Mines.	Sale	18.	Tons.		Amou	nt.	0
Devon Great Consols Wheal Basset Wheal Builer	3		2000		18,439 14,397	15	6
West Basset North Basset	3	********	1812	********	13,152 13,036	6	6
United Mines	4	********	2363	********	12,968	13	0
Par Consols South Frances Fowey Consols South Caradon	3	********	1160	********		17 13	0
South Caradon	3	********		*********	10,556	12	6
West Caradon St. Day United Phoenix Mines	2	********	1117	********	9,223 8,849	4	6
Carn Brea		********		********	8,758 8,108 7,352	16	6
Alfred Consols	3	********	888 928		7,060	0 12	0
North Roskear	2	********	794	*********	6,042 5,233 5,094	15	6
Hingston Down	2	********	1183		5,012	14	6
Wheal Seton	3	********	640		4,726 4,398 4,304	7	0
Bedford United	3	********			4,110 3,824	15 16	0 0
Wheal Friendship South Tolgus	2		405 523	********	3,715	11	0
North Wheal Crofty	2	*******		********	3,572	6	6
West Wheal Seton Wheal Arthur	1		204		3,389	13 16	6
Levant			492	*********	2,938 2,907	17	0
Tincroft Tresavean	2		685		2,652 2,380	14	0
Marke Valley	1	*********		********	2,365 2,332	7	6
Condurrow Pembroke and East Crinnis	1	******	296	*********	2,263 2,178	9	0
Holmbush	1		305		1,992 1,813	19	6
North Pool Clijah and Wentworth Boiling Well	2	********	305		1,769 1,687	17	6
Great Crinnis	2	********	204	********	1,647 1,628	1 5	6
Wheal Friendship	2		183	********	1,537 1,502	11	6
South Creaver	2		493		1,428	4 9	6
Wheal Charlotte West Wheal Damsel West Fowey Consols West Wheal Alfred	1	1	198	********	1,285 1,187 1,028	6	0 6
West Wheal Alfred	2		248		1,025	17	6
West Providence	1		101		862 848	12 19	0
South Crofty	1		. 149		801 783	6	6
Camborne Vean North Wheal Robert			. 172		741 725	17	0
Wheal VyvyanCollacombe	*****		. 84		717	16	6
Great South Tolgus Treviskey	1		127		660 622	3	0
South Crinnis	1		. 152		619 562	9	6
Wheal Mary Great Consols Wheal Carpenter	1	1	. 76		549 544	1	6
South Bedford	1	i			464 451		6
Wheal Russell Duke of Cornwall,	1	1	. 111	********	446 435	17	6
Wheal Comford	1		. 254		433 426		6
Bodmin United			. 72		394 379		6
Wheal Busy Great Onslow Consols Creegbrawse		1			343	15	6
Tywarnhaile West Stray Park Wheal Margery		1	. 67		333 333	12	0
Wheal Margery		1	. 63	3	317 313	6	6
North Wheal Busy		2	. 40)	311 306	6	6
Bawden's Ore		i	. 45		279 270	15	6
Guskus		1	. 31		263	15	6 0
Guskus. Carvannall Old Wheil Basset. Trebarvah Wheil Messer Wheil Hender Wieal Zion. Wheil Agar Great Sheba Consols Wheil Agar Wheil Trebarvah		1	. 3	3	261	4	0
Wheal Hender		2	. 1		254	18	6
Wheal Zion		1	. 3	3	244	7	0
Wheal Trebarvah		1	. 14:		225	10	
Devon and Courtenay		1	3	2	207		:0
Wheal Trebarvah Tavy Consols Devon and Courtenay Copper Hill Wheal Edward Providence Mines		i	4	1	192	18	6 0 6
Trethellan		i	. 6	7	174	13	6
Paul's Downs		i	. 2	6	148		0
South Rosgear Paul's Downs. Grambler and St. Aubyn Pendarves and St. Aubyn East Wheal George Carrack Dows Wheal Trenwith Eography (1) Downs	*****	i	. 1	2	146	2	0
Carrack Dews		i	. 2	1	128	2	
Boscaswell Downs North Wheal Unity Wheal Uny		i	. 1	9	119	4	6
Wheal Uny		i	. 3		113	8	0
North Downs		1	. 1	8	103	19	0
St. Ives Consols	******	1		9	99	4	6
Wheal Henry	*****	1	3		93	10	6
Nancekuke Wheal Marshall Wheal Prudence	******	1	2	9	85		
Wheal Prudence		1	. 1	0	86	0	0
Pentire Glaze Great Wheal Fortune Pedn-an-drea United	******	1		9	76	3 10	0
Camborne Consols East Wheal Leisure			1	7	6	9 5	6
West Trethellan Wheal Darlington		1	1	3	6	5 (0
West Trethellan Wheal Darlington Truthall Wheal Jewel	******	1	. 1	0	51	8 8	. 0
Wheal Kitty West Polberro Gawton United		1	1	5	. 5	6 10	0
				0	. 5	4 10	0
Spearne Moor		1	5	3	3	6 1	3 6
Lewis	******	1		5	33	2 1	
				5	. 2	3 5	2 (
Wheal Helen Sidney Godolphin Michel's and Symonds's Ore. Pencorse Consols Wheal Granville		1	***	1	. 1	9 1	
Wheal Grenville	******	1		5	. 1		7 6
Jackson's Ore	••••••	1		5		9 (8 6
Pencorse Consols Wheal Grenville Balkwill's Ore Jackson's Ore Oats Ore Hocking's Ore Wheal Fanny South Binner Downs		1	:	1			6 (
South Binner Downs		1	1	8		i	
Total				06	£332,52	28	8

COMPANIES BY WHOM THE ABOVE WERE PURCHASED.

4892

2024 3352

49.108

Companies. Mines Royal... Vivian and Son

Vivian and Sons
Freeman and Co.
F. Grenfell and Sons
Crown Copper Company
Sime, Willyams, & Co.
Williams, Foster, & Co.
English and Australian
Mason and Elkington
F. Bankhart
Copper Miners' Company

£332,628 8 7

SALES OF COPPER ORES.

Copper ores sold at the Swansea ticketings during the quarter ending 29th September, 1855: - FOREIGN MINES.

		-						
Mines.		To	ns.		Amou	nt.		
	*****************	43	41	*********	677.524	6	0	
				**********	6,912	12	0	
	***********			**********	0,312	2.0		
Sautiago	**************************	8	95	*******	7,772	11	0	
Copiano	********************************	1	48		2,553	12	6	
	***************************************				8,114	5	0	
Cuou	************************	3	6.8	**********	0,114			
San Fernando		2		*******	4,264	3	0	
Peninsular .		2	90	********	2,506	2	0	
Spanish	******************************	1			1,316	8	0	
					1,010			
	***************************************	3	28	******	9,451	13	6	
Sydney	***************************************	1	26		1,900	0	0	
		9	M.Sel	*********	8,136	0	6	
Cammah			00	RESCUENCES				
	***********************		4.2	*********	3,289	9	6	
Preamimma .			27	*********	438	15	0	
Norway		1		**********	186	3	0	
					69			
				********			6	
Caridad			84		1,530	18	0	
			-		-,			
	IRISH							
Berehaven		1.4	111		615 319	8	0	
Knoskmahon					11 605		6	
Knockmanon	***************************************	2		*********	11,605	16		
Holyford	***********************	1	59	*********	2,745	14	6	
Ballymurtagh	1	5		***********	1,837	1	6	
					613	â	0	

Ballygaban .			50	***********	242	10	0	
	W. 11.1 a. 12							
	WELSH,	œc.						
Dalrhiew	***************************************	*****	15		£ 277	10	0	
Glanmore				**********	194	11	6	
	t		36	*********		9	0	
Molland			26		214	10	0	
Brow Head				**********	131	5	0	
201011 110014				*********	101			
	SLAGS	3.						
Rottordam		. 1	00		£ 871	17	0	
British				*** *******	611		6	
French			88		189	4	0	
				***********	71	0	0	
A7084 11100				*******		-		
	RECAPITUL		V.	***************************************		-		
	RECAPITUL	ATION						
Foreign		ATION	531		£135,966	14	6	
Foreign	*************************	ATION 75	31 184		£135,966 32,363	14	6	
Foreign		ATION 75	531		£135,966 32,363	14	6	
Foreign Irish Welsh, &c.	***************************************	ATIO: 75	531 184 128		£135,966 32,363 1,040	14 15 5	6 6	
Foreign Irish Welsh, &c.	*************************	ATIO: 75	31 184		£135,966 32,363	14 15 5	6	
Foreign Irish Welsh, &c. Slags		ATIO: 73	184 128 119		£135,966 32,363 1,040 1,743	14 15 5 14	6 6 6	
Foreign Irish Welsh, &c. Slags	***************************************	ATIO: 73	184 128 119		£135,966 32,363 1,040 1,743	14 15 5 14	6 6	
Foreign Irish Welsh, &c. Slags	•••••••••••	ATIO2	184 128 119 262		£135,966 32,363 1,040 1,743 £171,114	14 15 5 14	6 6 6	
Foreign Irish Welsh, &c Slags Total Quarter endi	ng June, 1855	ATION 75 31 31 4 112 133	184 128 119 262 200		£135,966 32,363 1,040 1,743 £171,114 199,083	14 15 5 14 10 6	6 6 6 6	
Foreign Irish Welsh, &c. Slags	ng June, 1855	ATION 75 31 31 4 112 133	184 128 119 262 200		£135,966 32,363 1,040 1,743 £171,114 199,083	14 15 5 14 10 6	6 6 6	
Foreign	ng June, 1855	ATION 78 112 112 112 112 112 112 112 112 112 11	331 184 128 119 262 200 280		£135,966 32,363 1,040 1,743 £171,114 199,083 94,609	14 15 5 14 10 6 15	6 6 6 0	
Foreign Irish Welsh, &c Slags Total Quarter endi	ng June, 1855	ATION 78 112 112 112 112 112 112 112 112 112 11	331 184 128 119 262 200 280		£135,966 32,363 1,040 1,743 £171,114 199,083 94,609	14 15 5 14 10 6	6 6 6 6	
Foreign	ng June, 1855 March, 1855 December, 1854	ATIO2 7.5 81 81 112 133 130 140 150 150 150 150 150 150 150 150 150 15	331 184 128 119 262 260 280 217		£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691	14 15 5 14 10 6 15 5	6 6 6 0	
Foreign	ng June, 1855 March, 1855 December, 1854	ATIO2 7.5 81 81 112 133 130 140 150 150 150 150 150 150 150 150 150 15	331 184 128 119 262 260 280 217		£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691	14 15 5 14 10 6 15 5	6 6 6 0	
Foreign	ng June, 1855 March, 1855 December, 1854	ATION 75	331 184 128 119 262 200 280 017		£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498	14 15 5 14 10 6 15 5	6 6 0 0	
Foreign Irish Welsh, &c. Slags Total Quarter endi ditto ditto Total f Quarterly av	ng June, 1855 March, 1855 December, 1854 Or last four quarters	ATION 75	331 184 128 119 262 200 280 017 759		£135,966 32,363 1,040 1,743 £171,114 199,083 94,669 134,691 £599,498 149,874	14 15 5 14 10 6 15 5	6 6 6 0 0	
Foreign Irish Welsh, &c. Slags Total Quarter endi ditto ditto Total f Quarterly av	ng June, 1855 March, 1855 December, 1854 or last four quarters	ATION 75	331 184 128 119 262 200 280 017 759		£135,966 32,363 1,040 1,743 £171,114 199,083 94,669 134,691 £599,498 149,874	14 15 5 14 10 6 15 5	6 6 6 0 6 0 0	
Foreign Irish Welsh, &c. Slags Total Quarter endi ditto ditto Total f Quarterly av	ng June, 1855 March, 1855 December, 1854 or last four quarters	ATION 75	331 184 128 119 262 200 280 017 759		£135,966 32,363 1,040 1,743 £171,114 199,083 94,669 134,691 £599,498 149,874	14 15 5 14 10 6 15 5	6 6 0 0	
Foreign Irish Welsh, &c. Slags Total Quarter endi ditto ditto Total f Quarterly av	ng June, 1855 March, 1855 December, 1854 or last four quarters	ATION 75	331 184 128 119 262 200 280 017 759 939		£135,966 32,363 1,040 1,743 £171,114 199,083 94,669 134,691 £599,498 149,874 145,282	14 15 5 14 10 6 15 5 16 14 2	6 6 6 0 0 6 1 6	
Foreign Irish Welsh, &c. Slags Total Quarter endi ditto ditto Total f Quarterly av	ng June, 1855 March, 1855 December, 1854 or last four quarters	ATION 75	331 184 128 119 262 200 280 017 759 939		£135,966 32,363 1,040 1,743 £171,114 199,083 94,669 134,691 £599,498 149,874 145,282	14 15 5 14 10 6 15 5 16 14 2	6 6 6 0 6 0 0	
Foreign Irish Welsh, &c. Slags Total Quarter endi ditto ditto Total f Quarterly av	ng June, 1855 March, 1855 December, 1854 Or last four quarters	ATION 75	331 184 128 119 262 200 280 017 759 939		£135,966 32,363 1,040 1,743 £171,114 199,083 94,669 134,691 £599,498 149,874 145,282	14 15 5 14 10 6 15 5 16 14 2	6 6 6 0 0 6 1 6	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an is compared t	ng June, 1855 March, 1855 December, 1854 or last four quarters erage g quarter of 1854 nerease on the last half-yee with the first six months	ATION 75 31 4 4 112 133 62 90 90 100 100 100 100 100 100 100 100 1	531 184 128 119 262 200 280 017 759 939 921		£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282	14 15 5 14 10 6 15 5 16 14 2	6 6 6 0 0 6 1 6 6	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an is compared t	ng June, 1855 March, 1855 December, 1854 or last four quarters	ATION 75 31 4 4 112 133 62 90 100 100 100 100 100 100 100 100 100	531 184 128 119 262 200 280 017 759 939 921 165	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI	14 15 5 14 10 6 15 5 16 14 2 16 ED.	6 6 6 6 0 0 6 1 6 6	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an is compared t	ng June, 1855 March, 1855 December, 1854 or last four quarters erage ag quarter of 1854 nerease on the last half-yes with the first six months IES BY WHOM THE A	ATION 75 31 31 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	531 184 1128 119 262 200 280 017 759 939 921 165 Wons.	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI	14 15 5 14 10 6 15 5 16 14 2 16 ED.	6 6 6 0 0 6 0 0 6 1 6 6	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an is compared t	ng June, 1855 March, 1855 December, 1854 or last four quarters erage ag quarter of 1854 nerease on the last half-yes with the first six months IES BY WHOM THE A	ATION 75 31 31 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	531 184 1128 119 262 200 280 017 759 939 921 165 Wons.	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI	14 15 5 14 10 6 15 5 16 14 2 16 ED.	6 6 6 6 0 0 6 1 6 6	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an in compared v COMPAN Copper Mine	ng June, 1855 March, 1855 December, 1854 Or last four quarters erage og quarter of 1854 nerease on the last half-yes with the first six months IES BY WHOM THE A	ATION 75 31 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	531 184 128 119 262 200 280 017 759 939 921 165 Wons. 714	ERE PU	E135,966 32,363 1,040 1,743 E171,114 199,083 94,609 134,691 E599,498 149,874 145,282 140,896 RCHASI Amou £10,873	14 15 5 14 10 6 15 5 16 14 2 16 ED.	6 6 6 0 0 6 0 0 6 1 6 6	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Guarterly av Correspondin Showing an in compared v COMPANI Copper Mine	ng June, 1855 March, 1855 December, 1854 or last four quarters erage ug quarter of 1854 herease on the last half-yes with the first six months IES BY WHOM THE A	ATION 75 31 112 133 62 90 100 100 100 100 100 100 100 100 100	531 184 128 119 262 200 280 017 759 939 921 165 Wons. 714	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI Amou £10,870	14 15 5 14 10 6 15 5 16 14 2 16 ED.	6 6 6 6 0 6 0 6 1 6 6	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an in compared v COMPAN Copper Mine Freeman and	ng June, 1855 March, 1855 December, 1854 Or last four quarters erage og quarter of 1854 nerease on the last half-yes with the first six months IES BY WHOM THE A rs' Company Co	ATION 75 112 113 113 113 113 113 113 113 113 113	531 184 128 119 262 200 280 017 759 939 921 165 Wons. 714 786 514	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,669 134,691 149,874 145,282 140,896 RCHASI Amou £10,870 11,242 22,527	14 15 5 14 10 6 15 5 16 14 2 16 ED.	666600	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an is compared t COMPAN Copper Mine Freeman and P. Grenfell a Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Slag.	ng June, 1855 March, 1855 December, 1854 or last four quarters erage ig quarter of 1854 herease on the last half-yes with the first six months IES BY WHOM THE A res' Company Co. nd Sons	ATION 75	531 184 128 119 262 200 280 017 759 939 921 165 Wons. 714	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI £10,870 11,242 22,527	14 15 5 14 10 6 15 5 16 14 2 16 ED.	6 6 6 6 0 0 6 1 6 6 6 6 6 7 6 6 6 6 7 8 8 8 8 8 8 8 8 8	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an is compared t COMPAN Copper Mine Freeman and P. Grenfell a Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Slag.	ng June, 1855 March, 1855 December, 1854 or last four quarters erage ig quarter of 1854 herease on the last half-yes with the first six months IES BY WHOM THE A res' Company Co. nd Sons	ATION 75	531 184 128 119 262 200 280 017 759 939 921 165 Wons. 714	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI £10,870 11,242 22,527	14 15 5 14 10 6 15 5 16 14 2 16 ED.	666600	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an is compared t COMPAN Copper Mine Freeman and P. Grenfell a Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Slag.	ng June, 1855 March, 1855 December, 1854 or last four quarters erage ig quarter of 1854 herease on the last half-yes with the first six months IES BY WHOM THE A res' Company Co. nd Sons	ATION 75	531 184 128 119 262 200 280 017 759 939 921 165 Wons. 714	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI £10,870 11,242 22,527	14 15 5 14 10 6 15 5 16 14 2 16 ED.	6 6 6 6 0 0 6 0 0 6 6 6 6 6 6 6 6 6 6 6	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an is compared t COMPAN Copper Mine Freeman and P. Grenfell a Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Slag.	ng June, 1855 March, 1855 December, 1854 or last four quarters erage ig quarter of 1854 herease on the last half-yes with the first six months IES BY WHOM THE A res' Company Co. nd Sons	ATION 75	531 184 128 119 262 200 280 017 759 939 921 165 Wons. 714	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI £10,870 11,242 22,527	14 15 5 14 10 6 15 5 16 14 2 16 ED. 11 19 7 1	666600666666666666666666666666666666666	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an is compared t COMPAN Copper Mine Freeman and P. Grenfell a Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Sima. Willyn Slag.	ng June, 1855 March, 1855 December, 1854 or last four quarters erage ig quarter of 1854 herease on the last half-yes with the first six months IES BY WHOM THE A res' Company Co. nd Sons	ATION 75	531 184 128 119 262 200 280 017 759 939 921 165 Wons. 714	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI £10,870 11,242 22,527	14 15 5 14 10 6 15 5 16 14 2 16 ED.	666600666666666666666666666666666666666	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Guarterly av. Correspondin Showing an in compared v. COMPAN: Copper Mine Freeman and P. Grenfell a Sims, Willya Vivian and S Williams, Fo Mines Royal English and	ng June, 1855 March, 1855 December, 1854 or last four quarters erage g quarter of 1854 nerease on the last half-yes with the first six months IES BY WHOM THE A res' Company Co	ATION 7.5.7 ATION	331 184 128 119 262 200 280 280 280 27 759 939 921 165 Wons 714 786 514 691 354 963 5268	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI Amou £10,870 11,242 22,527 17,081 29,005 35,233 9,931 4,722	14 15 5 14 10 6 15 5 16 14 2 16 ED. int. 5 11 19 7 13 0 0 17	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Guarterly av. Correspondin Showing an in compared v. COMPAN: Copper Mine Freeman and P. Grenfell a Sims, Willya Vivian and S Williams, Fo Mines Royal English and	ng June, 1855 March, 1855 December, 1854 or last four quarters erage g quarter of 1854 nerease on the last half-yes with the first six months IES BY WHOM THE A res' Company Co	ATION 7.5.7 ATION	331 184 128 119 262 200 280 280 280 27 759 939 921 165 Wons 714 786 514 691 354 963 5268	ERE PU	£135,966 32,363 1,040 1,743 £171,114 199,083 94,609 134,691 £599,498 149,874 145,282 140,896 RCHASI Amou £10,870 11,242 22,527 17,081 29,005 35,233 9,931 4,722	14 15 5 14 10 6 15 5 16 14 2 16 ED. 11 19 7 7 11 19 7 7 17	666600666666666666666666666666666666666	
Foreign Irish Welch, &c. Slags Total Quarter endiditto ditto Total f Quarterly av Correspondin Showing an in compared v COMPAN: Copper Mine Freeman and of Vivian and S Williams, Fo Mines Royal English and I British and I	ng June, 1855 March, 1855 December, 1854 or last four quarters erage g quarter of 1854 nerease on the last half-yes with the first six months IES BY WHOM THE A rs' Company Co	ATION 77.7 77.8 11.1 11.1 11.1 11.1 11.1 11.1	531 184 128 119 262 2200 280 017 759 939 921 165 W ons. 714 786 6514 086 913 549 549 549 549 549 549 549 549 549 549	ERE PU	£135,966 32,363 1,040 1,743 1571,114 199,083 94,669 134,691 £599,498 149,874 145,282 1140,896 RCHASI Amoto £10,870 11,242 22,527 17,081 129,005 35,233 9,931 4,722 1,998	14 15 5 14 10 6 15 5 16 14 2 16 ED. 11 19 7 7 11 19 7 7 17	6 6 6 6 0 0 6 0 0 0 3 0 9 3 3 6 0 0	
Foreign Irish Welsh, &c. Slags Total Quarter endiditto ditto Total f Quarterly av. Correspondin Showing an in compared COMPAN: Copper Mine Freeman and P. Grenfell a Sims, Willya Vivian and S Williams, Fo Mines Royal English and British and I Mason and E Mason and E	ng June, 1855 March, 1855 December, 1854 for last four quarters erage g quarter of 1854 norease on the last half-yes with the first six months HES BY WHOM THE A re' Company Co	ATION 77: 31 11: 32: 31: 31: 31: 31: 31: 31: 31: 31: 31: 31	531 184 128 119 262 200 280 017 759 939 921 165 Ws. 635 635 635 74 528	ERE PU	E135,966 32,363 1,040 1,743 E171,114 199,083 94,609 134,691 E599,498 149,874 145,282 140,896 RCHASI Amou E10,873 1,242 22,527 17,081 29,005 35,233 9,931 4,722 1,998	14 15 5 14 10 6 15 5 16 14 2 16 ED. 11 19 7 1 19 7 17 17 17 2	6 6 6 6 0 0 6 1 6 6 0 0 3 0 0 9 3 6 0 3	
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.11262 £171,114 10 0 [The usual comments on these returns will appear in our next Journal.]

Total

PEOPLE EMPLOYED IN MINING.

A return of the number of men and women occupied in mining operations during the year 1854 shows the number of males under 20 as 86,624; upwards of 20, 208,520. Females under 20, 4994; upwards of 20, 3816=303,954. They were thus occupied:—

Mineral occupation.	Men and women of	Under :	20 years ige.		years wards.	
	all ages.	Male.	Female.	Male.	Female	
Coal	219,995 26,106 21,169 14,761 21,749 174	65,705 6,331 5,300 4,305 4,937 46	1,290 20 2,353 1,639 271 21	151,648 19,755 12,023 8,574 16,441 79	1,352 1,493 843 100 28	
Total	303,954	86,624	4,994	208,520	3,816	

CORNISH STEAM-ENGINES.

The number of pumping engines reported by Lean's Engine Reporter for the month of August is 18. They have consumed 1208 tons of coal, and lifted 10,000,000 tons of water 10 fms. high. The average duty of the whole is, therefore, 47,000,000 lbs. lifted 1ft. high, by the consumption of a bushel of coals weighing 94 lbs. The following have exceeded the average duty:—

Mines.	Engines,	Length of stroke in the cylinder.	Load in lbs.	Load per square inch on piston.	Strokes per minute.	Coals in bush., 94 lbs.	Mill. lifted 1ft. high by consuming 1 bushel of coals, 94 lbs.	Do. consum- ing 112 lbs.
Great Work	Leeds's 60 in	ft. 9:0	53,688	lbs. 14:7	8.0	2534	53.5	64
W. Wh. Providen.		10.0	39,891	16.5	3.9	984	52-1	62
Wheal Tremayne.		10:0	41,051	13.0	8.6	1991	57.5	69
North Roskear	New 70 in	10.0	59,321	12.3	5.6	1982	48.7	58
East Pool	New 60 in	9.75	51,342	14.9	3.7	1344	47.9	57
Sou. Wh. Frances		11.0	78,775	14.5	3.3	1584	58.1	69
Perran St. George		9.0	40,587	12.7	5.4	1440	48-2	57
East Wheal Rose.		10.0	92,121	14.6	4.0	2702	50.0	60

Engineers' Names.—Great Work, P. Roberts; North Roskear, J. West; East Pool, J. West; South Wheal Frances, T. James; Perran St. George, Sims and Son; East Wheal Rose, Hocking and Loam.

AMERICAN COAL FIELDS .- The three great coal fields in America at c-TAMERICAN COAL FIELDS.—The three great coal fields in America at c—The Ohio, 740 miles long and 180 wide, covering an area of, 60,000 square miles, a surface greater than that of England and Wales. The Illinois coal-field covers 500,000 square miles; and the Michigan, occupying 15,000 square miles. Besides these, there are numerous anthracite basins in Pennsylvania and Virginia, the furthest being 100 miles from the margin of the Ohio coal fields. The coal, the bituminous coal field of the Ohio, is 2800 ft. deep. The working of these coal fields is increasing very rapidly; 3,000,000 tons of anthracite and 1,000,000 tons of bituminous coal are raised annually. [Some interesting details on this subject were given by our correspondent, Mr. C. S. Richardson, in the Journals for Aug. 25 and Sept. 8.]

Cast-Inon Guns.—When the late Mr. Perkins devised his beautiful demonstration of the compressibility of water, he found great difficulty in obtaining a cast-iron cylinder for his hydraulic press of sufficient strength to resist the enormous strain required. After repeated failures, he imagined that a light alloy of copper might improve the tenacity of the iron, and just before pouring the melted metal into the mould be three in about per cent. of copper, and to his great satisfaction thus obtained a cylinder which stood his severe tests. We are not aware that this effect is generally known to the trade; if not, it is well worth a trial in the casting of ordanace

generally known to the trade; if not, it is well worth a trial in the casting of ordnance and other things.

PREVENTION OF SMOKE.—The Times correspondent, writing from the Parls Exhibition, says that one of the best things of its kind is the arrangement for the prevention of smoke, shown in the boller-house adjoining the Annexe. The principle involved is that of distilling the gases from the coal in a separate space, carrying them undernearth the boller, and mixing them there with the quantity of heated atmospheric air requisite for combustion, which takes place so completely that there is not a particle of smoke, while the cenomy of fuel amounts to 50 per cent.

ROYAL LYCEUM THEATRE.—During this week we have had an opportunity of witnessing the surprising feats of Prof. Anderson at this elegant place of amusement. The house is nightly crowded: when we state that, after an absence of several years, the Wizard of the North has returned to London, with several more incomprehensible tricks then ever he exhibited before, our readers can form some idea of the wonders he displays. The most remarkable part of the entertainment is, however, the expose of the spirit-rapping delusion, which has caused such fearful results in the United States. A table, which has no communication with the stage, is placed in the centre of the pit; spirits are heard rapping from all parts of the house, not only in the gallery, but from bells suspended from the ceiling; while the table and an automaton play a prominent part. Not the least surprising is the charmed cheet; this is suspended from the ceiling, there is apparently no communication, yet from a series of boxe contained in it there are found several articles lately obtained from the audience, and which are given in safe custody to one of themselves. Judging from the number of the audience, and the continued applause, the Wizard is likely to have a prolonged stay in London.

MADANE TUSSAUD'S EXHIBITION.—An addition to the war group has bette best the second of the place and the seve

A MADANE TUSSAUD'S EXHIBITION.—An addition to the war group has just been made of a portrait model of the Dowager Empress of Russia, and which is certainly one of the most life-like in the Exhibition, and it is also considered to be an excellent likeness of the distinguished lady.

Mining Correspondence.

BRITISH MINES.

ALPRED CONSOLS.—The lode in the 140, at Field's engine-shaft, is just as last reported. The lode in No. 1 winze, sinking below the 130, east of this shaft, is worth for copper ore 50t, per fm. The lode in the 130, east of this shaft, is worth for copper ore 50t. There is no change to notice in the driving in the 80 or 60, east of Davey's engine-shaft. The lode in the winze sinking below the 60, at this shaft, is worth for copper ore 50t. Per fm. No change to notice in any other part since the last report. engine-shaft. The lode copper ore 30l. per fm.
—M. White: Sept. 24.

—M. WHITE: Sept. 24.

BALLYHRGIN.—The lode we are now stoping away by twelve men, in the back of the 10 fm. level, south of engine-shaft, is opening out most satisfactorily; the lode in the north part of the stope, nearest the engine-shaft, will yield 3½ tons of copper ore per fathom; the lode in the south part of the stope will yield 4½ tons of copper ore per fathom. I have four men stripping the lode from the stope into the south level end; they have already stripped about 3 fms. The shaft will soon be in course of sinking.—R. W. SMITE: Sept. 25.

level end; they have already stripped about 3 fms. The shaft will soon be in course of sinking.—R. W. Smith: Sept. 25.

BASSET GRAZE UNITED.—We have cleared Wheal Widden shaft 14 fms. below the adit, and find no level as yet. The water here has increased pretty much within the past week, but decreased in the pitches, which shows there is either a cross-cut or a hollow country between at a deeper level. The pitches here are improved within the past week, and are producing a fair quantity of jack. We have not anything new at the engine-shaft, or in any of the cross-cuts, but are daily expecting to intersect the lode. At Williams's, the lode is improving for lead as we get deeper under the middle adit; it is now 6 in. wide, pretty solid. We have sold a small quantity of tinstaff, and also of lead, the particulars of which are now forwarded to you.—J. ROGERS, BEDFORD CONSOLS.—Our new shaft is sinking in a beautiful channel of ground, we have a fine lode, and appears to be making in the north wall. In the shallow level winge, the lode, or the part we are sinking on, is evidently underlaying north, and the south part of the lode is standing, which we shall cut through after we get down a few fathoms; the part we are sinking on contains good copper ore. In the middle level the lode is looking very promising, with good stones of black ore, and has much improved since last report; I think we shall have a good course of copper ore shortly; the pitch in the bottom of this level is still improving, and producing good work for copper ore.—J. ILMAILY: Sept. 24.

BEDFORD UNITED.—We are driving by the side of the lode in the 136 east, but we shall have the lode taken down in the beginning of another week, and will give you its character in our next. The lode in the 115 east is still worth 4 tons of ore per fathom. In this level west the lode is 3 ft. wide, conspected of spar, mundic, and ore. The stopes in the back of this level are worth 8 tons of ore per fathom. The hole in the 56 is extended to the 100 in the 90. In the 35

are worth 5 ions of ore per fathom. We are driving by the side of the lode in the Jn the lode in Ste ledie is 2½ feet wide, producing good stons of ore, and has a kindly appearance. The tribute department is looking much as usual.—J. Phillips: Sept. 26.

BOILING WELL.—Since my last report we have finished cutting the plat in the 60; we are now cutting ground for bearers and cistern. The lode in the castern end, in the 50, is 6 ft. wide, composed of spar, mixed with jack, lead, and copper ore; this end has improved a little since my last report. The castern end in the 40, on the south lode, is producing soon stones of ore, but not to value, the lode being unsettled. The eastern end, in the 30, is still producing good stones of ore; leaving tribute ground in the back and bottom of this level. The cast and west ends on the north lode, in the 40, are leaving tribute ground; this lode is small, but the nearer it comes to the south lode the better it is. I feel satisfied that the best part of the mine will be after these lodes fall together. All the tributers are working well, and the pitches looking fair. The new whim-shaft is now 20 fms. from surface; the ground is somewhat harder, but we are going on well.—G. RENNOLDS: Sept. 22.

— In the last two months we have cut a plat in the 60 fm. level, 10 ft. long, 9 ft. wide, by 9 feet high; cased and divided the engine-shaft from the 50 to the 60; re-moved the penthouse at the 50; and are now cutting ground in the 60 for bearers and cistern, which will be ready for the new lift in the course of a fortnight; and in about 10 weeks from this time we may expect to see the lode intersected in the 69. In the 60 end, driving east, the lode is 6 feet wide, worth from 151. to 201, per fathom, and daily improving. The present end is in from shaft about 24 fms. In the 60 end, driving east, the lode is 6 feet wide, worth 81. per fathom. This and daily improving. The present end is in from shaft about 60 fms. In the 30 end, driving east, which has averaged in value 81, per fathom. Th

casional stones of copper ore.—J. Giffords: Sept. 26.

**BRYNFORD HALL.—We have had orey ground in the 50 fm. level west, on Milwr veln, for the last 2 fms., which will about pay the cost of driving. The pitches continue to yield good ore. The 50 fm. level cast, on Woodland's vein, is at present in hard ground, with the vein 4 ft. wide. The workings at Matthew's are progressing, with no material alteration since last reported on. We shall have 15 tons prepared for the sale on Oct, 11.—W. Fanners: Sept. 24.

BRYNTAIL.—The new lode in the 10 fm. level east continues the same in size and quality as when last reported on. I have carefully dialled the ground, and find the average bearing of the lode to be 24 degrees north of east. This direction has taken us further into the hill than I anticipated; consequently, we have now 20 fathoms of ground in height from the back of the level to surface. I think it is now established beyond doubt that this lode has never been wrought on before in any part of the sett, We commenced stoping in the back of the 10 last evening. The yield of ore is quite as good as I calculated.—J. Rozaci: Sept. 27.

BRYN-Y-FEDWEN.—The deep adit level is now extended about 16 fms. west of

as good as I calculated.—J. Rozaci : Sept. 27.

BRYN-Y-EDWEN.—The deep adit level is now extended about 16 fms, west of the rise; the lode at this point is about 2 ft. wide, composed of spar, blende, and some nice spots of lead ore, but not enough to value; we have four men in this level at present, driving at 3', per fathom. We are confining our underground operations at present on as small a scale as possible until we get forward with our work at surface, which we are pushing on with all possible speed. We shall have the ground cut out for the crusher-wheel in the course of a few days, when we shall set the masons to build the walls for the pit. The embankment for the pond is progressing favourably; we hope to get it completed by the end of this month. We have arched over the brook below the dressing-floors for about 35 fms, in length, this will give us room for our waste stuff for a considerable time, and keep it from going down in the Caylan Mine reservoirs. Our carriers are busily engaged in bringing the crusher wheel from Newtown; we had the taxle brought on the mine to-day. All the other work is going on satisfactorily.—Sept. 25.

BUTTERDON.—The lode has not been taken down since last reported.—Thoma

CALSTOCK UNITED.—In the 60 end going west, on the lode, the ground is easy or driving, but very wet and heavy, and requires close timbering; the water has necroased in the week. In the cross-cut south the end is also letting down more water. to alteration in the cross-cut north. The engine is keeping the water with case.—

CAMBORNE CONSOLS.—In the 33 fm. level cross-cut, driving north from Tindal's shaft, the ground is favourable. No alteration in any other part of the mines.

—W. ROBERTS: Sept. 22.

—W. Roberts: Sept. 22.

CAROLINE WHEAL PROSPER.—We find, as we sink deeper in William's shaft, that the lode is making larger, and much better for tim. Other parts of the inine are looking as last reported. We have discovered another lode further north, producing good stones of tim. I shall be able to report more fully on this in my next letter.—W. WILLIAMS: Sept. 27.

CARVANNALL—In the 106 fm. level, driving west, the lode is nearly 3 ft. wide, with a leader of ore on the south side worth about 20t. pdr fathom. No alteration in any other bargains. We hope to sample on Wednesday next between 69 and 70 tons of ore.—W. Roberts: Sept. 22.

CAYLAN—Engle Rept. Lode. Dowell's Lovel. The stone above the characteristics.

of ore.—W. Roberts: Sept. 22.

CAYLAN.—Eagle Rock Lode, Powell's Level: The stopes above this level are producing—No. 1, 8 cwts.; and No. 2, 10 cwts. of lead ore per fm.; No. 1 winze, in the bottom of this level, is producing 12 cwts. of lead ore per fm.—Barkell's Level, West End: The lode in this end is very wide, composed of gossan, capel, quartz, and carbonate of lime, and producing occasional stones of ore.—East End: The lode is much the same as last reported, producing 6 cwts. of ore per fm.; we have about 2½ fms. more to drive this end to hole to No. 1 winze. The stope above the back of Barkell's level is producing about 8 cwts. of ore per fm.; We are still very bad off for water for dressing purposes.—J. Barkell: Sept. 26.

dressing purposes.—J. Barkell: Sept. 26,

CEFN CWM BRWYNO.—The lode in the 50, west of the engine-shaft, is 5 ft. wide, with small branches of ore throughout, and of a very promising appearance; this level is now just entering the run of ore ground seen in the level above. The lode in the 38, west of shaft, is 3 ft. wide, yielding a little ore, but not rich at present. The lode in the winze sinking below this level, about 20 fms. west of Taylor's shaft, is 4 ft. wide, yielding a little ore, but not winse is now down about 9 fms. below the 38. The lode in the deep adit level, driving east of the long winze, 70 fms. west of Taylor's shaft, is 4 ft. wide, yielding a little ore; at this point we expect the main part of the lode is still standing on the north side, which will be properly cut through after we get a little further east. The lode in the stope over the 38 fm. level, 50 fms. west of shaft, is 4 fect wide, yielding about 15 ewis, of ore per fathom. The stope 55 fms. west is yielding 1 ton of ore per fathom. The lode in the stope over the 24 fm. level, 70 fms. west of he shaft, is 6 ft. wide, producing about 16 cwis, of ore per fm. The lode in the stope 50 fms. west is 7 ft. wide, yielding 12 cwis, of ore per fm. The stope 55 fms. west is yielding about 15 cwis, of ore per fm. The stope 55 fms. west is yielding about 14 cwis, of ore per fm. The stope 55 fms. west is yielding about 14 cwis, of ore per fm. The stope 55 fms. west is yielding about 14 cwis, of ore per fm. The stope 55 fms. west is yielding about 14 cwis, of ore per fm. The stope 55 fms. west is yielding about 14 cwis, of ore per fm. The stope 55 fms. west is yielding about 14 cwis, of ore per fm. The stope 55 fms. west is yielding about 14 cwis, of ore per fm. The stope 55 fms. west is yielding about 14 cwis, of ore per fm. We have resumed the driving of the adit level east of Taylor's shaft by two men; the lode at this point is shout 5 ft. wide, composed of spr., blenged, and elay-slate, with small branches of ore, and is of a promising appea

CLOWANCE WOOD.—We are driving the cross-cut in the adit level, south fro later's whim-shaft, towards Slater's eigine-shaft, the ground is favourable.—Jor Balbupone; Ebw. Curcowin: Sept. 24.

Delegates: Edw. Chrowins: Sept., 24.

CUBERT UNITED.—Trebellan engine-shaft is down 5 fms. 5 ft. below the 66 fm. level; the lode in the last 2 fms., and at the present bottom, will average about 18 inches wide, and worth about 2 cwts. of fead per fm. The 66 fm. level is driven about 7 fms. north of the shaft, in which the lode will average 18 ft. in which, and for 2 fms. in length will produce 6 to 7 cwts. of lead per fm.; the present end is worth about 4 cwts. per fm The 66 fm. level south of its communicated with the sump winze, and extended 4 farthers south of it; immediately south of the shaft, for about 7 fms. in length, we passed through over ground, worth about \$\frac{1}{2}\$ ton of lead per fathom, the backs of which are working at

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21. 10s. per fm.; beyond 7 fms. a poor place occurred in the lode until we got near the winze, where we have met with two good bunches of ors. The north of the winze has, in some parts, produced as much as 2½ tons of lead per fm., and helped on our lastennlying very considerably; it is now about 2 fms. in length, worth about 1½ ton per fm. The south bunch (not near so good) commenced about 6 ft. south of the winze, and continued 2 fms., worth 12 ews. per fathom. The lode in the end driving south from the winze, although poor at present, has a very promising appearance indeed, with quartz, mandic, prisn. &c., and 1 expect we shall again have a productive lode before we get through the elvan course, which we are now driving in. The 56 fm. level is extended 16 fms. south of samp winze, or 36 fms. from the sugme-shaft, and we have now about 13 fms. more to reach Towsey's shaft. The lode here in the last 3 fms. has been rather poor, but as there were some bunches of ore found in this direction in the upper levels by the tributers, we may reasonably expect some as we extend here, besides the advantage of communicating with Towsey's shaft, and sinking the same below this level. The stopes in the back here, and also in the back of the same below this level. The stopes in the back here, and also in the back of the same bevel north of slaft, are producing about 5 cwts. of lead per fm. Towsey's shaft is now in course of sinking by six men, down about 6 it. below the 46 fathom level; the lode at present is rather small and unproductive. The object in putting down this shaft is, that as the whole of the bunches and shoots of ore yet discovered here are dipping south towards it, and that when down two or three lifts below the present bottom level it will be in the right position for working all the ore ground to great advantage, and prevent the necessity of continuing the samp winze (and, perhaps, the engine-shaft), which in consequence of the dip of the shoots of ore is getting rather expensive and out

RICHARDS: Sopt. 22.

CWM DARREN.—The lode in the 40, driving west, is still very wide and hard, but does not contain sufficient ore to value. I am of opinion that chances are against our meeting with any good results, until we get forth to the run of ore ground seen in the 30. We have very nearly finished the stope in the back of the 30, east of Wren's winze, but the ground to the westward is standing whole, which will, when wrought upon, enable us to keep up our samplings between this and the accomplishment of our object in the level below.—A. WATERS: Sept. 24.

opon, enable as oxecu po our samplings between this and the accomplishment of our object in the level below.—A. WATERS: Sept. 24.

CWMDYLE.—In No. 6 level the stopes are producing a fair quantity of good ore. In No. 7 level we find a very kindly lode, which, from present appearances, is likely to yield an abundant supply of ore. The stopes in Pascoe's and other levels are without alteration. We have the stamps brought down to the engine; the castings will be ready in a few days. No time will be lost in getting them to work.—Thomas Collivers: Sept. 24.

CWM ERFIN.—The lode in the 45, east of the drawing-shaft, is 2 ft. wide, yielding about 6 cwts. of ore per fathom. The lode in the stope over this level, east of shaft, is 3 ft. wide, producing 15 cwts. of over per fathom. The lode in the stope over the 80 west is producing 15 cwts. of over per fathom. The lode in the stope cast is 5 feet wide, and will yield about 1 ton of ore per fathom. The lode in the stope cast is 5 feet wide, and will yield about 1 ton of ore per fathom. The lode in the stope cast is 5 feet wide, and will yield about 1 ton of ore per fathom. The lode in the stope over the 80 west is 2 ft. wide, with a little ore, but not to value; this rise is going up against a winze which is sunk below the 20 to the depth of 7 fms., and when communicated, will lay open some crey ground, which will pay for taking away. The water in the mine is still up to about the back of the 85, and the surface water is very little at present. We hope to sample about 20 tons of ore again from this mine on October 9.—Sept. 25.

DALERHEW.—The stopes in the bottom of the adit level have nearly the same fa-

to sample about 20 tons of ore again from this mine on October 9.—Sept. 25.

DALRHIEW.—The stopes in the bottom of the adit level have nearly the same favourable appearance as when last reported on. The stope in the back of this level has improved since last reported. The hands in the 27 fm. level have been rising during the past week; I have, therefore, nothing new in that quarter to report. Saturday being our measuring day, I shall put on from 12 to 15 additional hands to take up ore. We are getting on very well at present on the dressing-floors. Our grates are sufficiently supplied with orey staff from the stopes to keep our dressers constantly employed. We have 21 tons of copper and lead ore ready dressed for the market, and are sending it off to Aberystwith. The county has recently repaired the road ways, and the company would do well to contribute something additional, in conjunction with the proprietor of the land, to facilitate access, and the transport of the ore.—W.V. RODERTS: Sept. 24.

DARREN.—In the stope in the back of Oliver's adit, east of Jones's winze, the lode

the ore.—W. V. ROBERTS: Sept. 24.

DARREN.—In the stope in the back of Oliver's adit, east of Jones's winze, the lode is about 5 ft, wide, yielding 10 cwts, of lead ore per fm. In Francis's level, driving west, the lode is of a very promising character, and judging from the fine specimens of silver-lead ore it has been yielding lately, we think we are on the evo of good results in that direction. In the stopes in the back of the said level the lode continues its size—viz., 8 ft. wide, and is producing about 15 cwts. of good quality lead ore per fathom. In the stopes in the back of the level Cocd, on what is designated the north lode, the branch is 20 in. wide, worth about 9 cwts. of lead ore per fm. The tribute department is without alteration. We shall lose no time in preparing another sampling.—ARTHER WATERS: Sept. 25.

DEVON BURRA BURRA.—On the capels, or part of the lode we interested.

department is without alteration. We shall lose no time in preparing another sampling,—ARTHER WATERS : Sept. 25.

DEVON BURRA BURRA.—On the capels, or part of the lode we intersected the beginning of this month, we have driven 2½ fms. in each direction, cast and west, and seeing the general appearances of the strata, and the branches still dipping north, we have thought it proper to discontinue driving westward, and to resume the driving of the cross-eut further north, from which direction the water is still gushing with great force, and are of opinion that we shall have to proceed about 8 fms. before we reach the south underlie lode; but we are still continuing operations eastward on the branch, which we feel desirous of proving, as it is producing some good squats of copper. In driving west, on the south lode, the leading part is 16 in. wide, saving work; and the stope in the back is yielding favourably.—J. Loan: Sept. 25.

DEVON WHEAL BULLER.—Our prospects in the 20, east and west, continue much the same as last week. The lode in the western shaft is not quite so large, but I expect it will again open very shortly, as there is everything to warrant it. The ground in the engine-shaft is still favourable for sinking.—W. Nelle: Sept. 27.

EAST BLACK CRAIG.—The rock in the 43 cross-out south is still hard, although changed from a cross-grained spar to a compact clay-slate, which we hope will be better for driving after a little while. The 33 end west is a little softer, with jack and spots of lead throughout. The ground in the winze sinking under the 22 end west continues much the same, but it has improved for lead. The pitch in the back of this end has improved a great deal this week. The other pitches continue as usual.—R. Williams's shaft the ground is elvan and granite features.

EAST CARADON.—In sinking Williams's shaft the ground is clvan and granite formation, the greater portion of it very hard. In driving the 40 fm. level cross-cut south the ground is still very slow for driving, although some of it is not quite so hard.

south the ground is still very slow for driving, although some of it is not quite so hard.

EAST GOLDSCOPE.—The wheel will be completed by Wednesday next, and upon receiving the pumps, &c., a very short time will suffice for its being in operation. I have not the slightest doubt of fully proving what has been stated to you-namely, that the present capital will put us in a position to divide profits; and I consider that 804. will cover all our surface cost in machinery, &c., and that 1004. will put us down 10 fms.; out of that sinking we shall raise 10 tons at least; after which we can commence stoning. To convince you that I am not over-estimating the thing, out of the last 2 fms. sinking 3½ tons of copper ore were extracted; this fact the proprietor can prove.—J. Frank.

an prove.—J. FRANK.

EAST RUSSELL.—We have not any alteration in the character of the lode in the 6 cast. The winze in the bottom of the 55 fm. level is just the same as last reported.—still producing stones of grey ore. We have cut the south wall of the lode to the loth of the lot

ode until we cut into it.—W. METHERELL: Sept. 27.

EAST WHEAL GEORGE.—The ground at the shaft is rather more mixed up with apel; consequently, the ground is harder for stoping. I expect to sample, next reck, about 22 tons.

eaper; consequency, the ground is harder for croping. I expect to sample, next week, about 22 tons.

EXMOUTH AND ADAMS UNITED.—We are still progressing favourably with the sinking of Porter's shaft. We have cut another branch in the 40 cross-cut, with a little lead in it, but not rich; a little water issuing from it, with indications of more before us. In driving north in the 40, by the side of the looks, we have a little water also, and hope shortly to get the lode the west of the flooksan, when we expect to meet with sufficient water for our purpose. The reason we have not water before this, as we anticipated, is on account of the flooksan intersecting the lode at that point. The ground in the 20 cross-cut west is favourable for driving. The 20 north, on the barytes lode, is improved since last reported. The 20 north, on Western lode, is much as last reported. The 20 north, on western lode, is much as last reported. The 20 north, on the barytes lode, is improved since last reported. The 20 north, on Some of the tribute pitches are improved since last setting-day. The mine throughout is looking well. We are going to sample, on Wednesday, the 20th inst, 215 tons of lead ore, and we have on the mine, undecased, from 30 to 90 tons, which would have been dressed had we sufficient water.—J. Hampron; N. Fault.: Sept. 25.

FEE DONALD.—The lode in the Smiddy level, driving west, has still a very pro-

FEE DONALD.—The lode in the Smiddy level, driving west, has still a very promising appearance, worth 10t, per fm. for lead. The level driving east on the south of the Antimony is showing spots of lead, but not to value. The stope in back of this level is still working well, worth 10 certs, of lead ore per fathom. In clearing the deep level we are making good progress; we have got through a run this last week, and saw the level 20 fms. west, which can be made good in one week.—J. Muffett.

and saw the level 20 fms. west, which can be made good in one week.—J. MUPTETT.

FRANK MILLS.—The 45 end north is extended 15 fms. 1 ft. from cross-cut, and I am happy to state the lode has improved equal to expectations; the part of the lode on which the level is driven is 5 ft. wide, which chiefly consists of soft spar and quartz, with lead disseminated throughout, worth full 10 cuts. of dressed lead per fathour, with every prospect of becoming still richer shortly; the ground, as well as the lode, is soft and congenial, and letting out a great quantity of water; the end is forth, to the winze sinking in the bottom of the 30 fm. level; we have now saving some tolerable good work from this end also. The winze in the bottom of the 30 fm. level is down 5½ fms.; the lode here is disordered by a horse of killas. The engine-shaft is down nearly 10 fms. under the 45 fm. level; the greatest part of the east lode is gone out of the shaft, which will be again third open in the next cross-cut. Our surface work is progressing satisfactorily.—J. P. Nicholla: Sept. 25.

GAWTON UNITED.—We have set a new rise in the back of the 36 to four men,

GAWTON UNITED.—We have set a new rise in the back of the 36 to four men, at 7*l*, per fathom, to be made 9 feet long on the lode, which will produce from 4 to 5 tous per fathom, and are breaking good rocks of copper ore from this place, and will forward you one, the quality of which will surprise you. The 35 end is producing some good work for copper ore, and the lode appears to be increasing in size. We have set the 24 end to four men, and expect something good from this place shortly. The water is gushing out in all directions from the end.—J. Hammar: Sept. 24.

GEIFRON.—Pearce's shaft is sunk to the 13 fathom level. The men will be engaged next week in cutting ground for bearers and elstern. I hope by the end of the

week to be ready to put down the lift. The exection of the wheel is on we have fixed our capstan and shears.—Sept. 22.

GREAT DOWGAS.—At the engine—shaft we have completed the pix dec., in the 10 fm. level, and have commenced to clear the shaft below in expect, to reach the 18 fm. level in the course of a fortright. In there ing south of the engine-shaft, in the 10 fm. level, to cut the copper late 4 fathoms more driving will reach the lode. In the 8 fm. level, driving is 3 fect wide, worth 6f. per fathom for tin. The stopes in the back of two the shaft is completed to the 26; we have commenced to sink it below the hope to communicate the same with the shallow level in the course of a when we shall be in a position to set several new pitches. At the east 25 fm. level, driving east of the sand shaft, the lode is 4 feet wide, worth 3f. per fathom for the same level, the lode is 5 feet wide, producing our tribute pitches are looking favourable. We expect to take to the same level, the lode is 5 feet wide, producing Our tribute pitches are looking favourable. We expect to take to the same level, the lode is 6 feet wide, worth this month about 7 tons of tin.—P. Floory: Sept. 24.

GREAT SORTRIDGE CONSOLS.—At Hitchina's engine-shaft, the content of the same level, and the same level and the

GREAT SORTRIDGE CONSOLS.—At Hitchins's engine-shaft, sended north 5 fms.; the water is oozing very strong from the entor twey far off the lode. The southern cross-cattle driven sign and the sign of any lode yet.—T. Metherelle: S

water coxing out, but no sign of any lode yet.—T. METHERELL: Sept. 27.

GREAT SOUTH TOLGUS.—The lode in the 86 fm. level is 1/6 foot wide, ing some copper ore, but not enough to value. In the 70 fm. level the loke heaved north by a cross-course; it is now 2 feet wide, composed of mandle as ore, a very promising lode. In the 60 fm. level no lode has been taken de past week. In the 50 fm. level the lode is 1 foot wide, producing 1 ton efm in the 40 fm. level the lode is 2 feet wide, producing 2 tons per fathom. On next we shall re-set our tribute pitches, and I will forward to you a list of the expected to sample on Wednesday about 100 tons of ore.—I) Day: Sept.

— On Monday last we re-set five pitches on tribute, two at 3s, 3d, in 1/4, in 1/4, and two at 6s, 3d, in 1/4. We have sampled to-day 101 tons of copp. John Daw: Sept. 26.

Jours Daw: Sept. 29.

GREAT TREGUNE CONSOLS.—Our new water-wheel went to worker last in good order, and the water is now in fork at Hobler's shaft. It stated that in the last of 7s fs.m. sinking we had broken some very rich goopper ore; and I also stated, in my report to the last quarterly meeting taken place in the ground, it is my opinion that we shall have a far greater ing in the lode before we get many feet deeper. The grantie is now chiefly of far more fluor-spar and quarts, mixed with blue pench and large spots of per ore and mondic, than of felpsar and mine; and this is the character of branches that are dipping towards the lode in oblique directions, so asto fit ion, will at once convince or any person who knows anything of the nature lode running into a grantic hill, that this must ultimately become one of mines in the custern district of Conwall. We are now will enable as to 150 fms., as, even in the drysat seasons of the year, we have double they water we require.—J. SPAROS: Sept. 26.

GREAT WHEAL ALFRED.—The lode in Painter's shaft, sinking belocoutians good ore. In the 170 west the end is not quite so good. The is winze sinking below the 160 is much improved. No lode cut in the life water to mine the result of the sinking belocouting good ore. In the invince there is an excellent bunch of ore. The in the 180 water to mine there is an excellent bunch of ore. The in the 180 water to mine there is an excellent bunch of ore. The in the 180 water to mine there is an excellent bunch of ore. The in the 180 water to mine the proper of the

IVYBRIDGE.—The 58 fm. level is driving by six men, on a lode a and of the same favourable character as we had in the level above, its and of the same favourable character as we had in the level and the very like or ground in that level. The 38 morth is cleared from shalt aget in 30 fms. further, which will want some little repairs as we state former workers have taken away the back in several places, at and stoped away the bottom of the level, so that they must have be lead ground in that direction; at all events, that part of the mine lead ground in that direction; at all events, that part of the mine lead through the same that direction is again driving by two men; the lode is were kindly for making lead. The cross-cut in the 45 such is low very kindly for making lead. The cross-cut in the 45 such is low related to the shaft, and shall now drive 9 ft, further, to fairly get mence rising against the shaft sinking under the 32 fm level; proved; the lode is 4 ft, wide, and tetting out a large quantity of to-day broken some good stones of lead from the cnd. The trike without any material alteration since last week.—H. Jamas: Sept. KELLY BRAY.—The 100 fm. level is driven cast 35 and in less than the state of the same cast 35 and in the same cast 35 an

without any material alteration since has week. He have: Sept KELLY BRAY.—The 100 fm. level is driven cast 3/6 fms; if the producing stones of ore of good quality. The western each side, composed of quarts, peach, mundic, and stones of ore. These engaged during the past week in casing and dividing the shaft free line to 90 east we have taken down the lode, and find it disordered course; this we have cut through, and discovered the lode, which showing good indications, and producing rich ore; but we cannot before it is further opened on. In the western end of the same level in the 90 senth is progressing favourably. The lode in the 80 worth from 18/t. to 20/l. per fm. All other operations are progressing Silas JAMES: Sept. 26.

KILRAINE.—In cross-cutting south in the 20 fm. level, we have

SILAS JAMES: Sept. 26.

KILRAINE.—In cross-cutting south in the 20 fm. level, we have small branch of spar, with spots of blende. In the same level, driving 1s 1 ft. wide, unproductive; it is most likely that this end will get is 1 ft. wide, unproductive; it is most likely that this can will get lode in about 10 ft. further east—the ground is dipping very fast in the 8 fm. level, driving east, the lode is presenting a very favour and will produce 1 ton of lead ore per fm., the back and bottom equally as rich. In our dressing department, we are getting on very by the middle of December, to get about 40 tons of lead ore ready for

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LADY BERTHA.—The lode in the winne continues to improve, and the own now lessing to surface he exceedingly wish, and of a most aplendid description. I have this surfing commerced the wing the owns and the will be profit to the 28th inst., should be surface the winner of the winner

pround also from this shaft, in the back of the deep adic level. Our tributers are still working in good spirits, and this day forthight we expect to sample about 30 tons deopper ore.—Sept. 23.

FEDN-AN-DREA UNITED.—Our sumpmen are engaged in dropping the lift from the 80 towards the bottom of the mine; having a 12-in. lift at the 80 we hope to drain to the bottom of the mine in the coming month. The same pare are also clearing and searing the 80, west from the engine-shaft, towards the 80 towards the 90 tend and the dole has a favourable appearance, and at present will produce good saving work for its for the whole length of the level. We have not set any ground east of the engine-shaft at the 80, nor can we until the kibble be sent in that level to draw. We have set a winze to sink below the 70, on the lode, to four men, at 81, per fathom. When this is communicated to the 80 it will enable us to drive the 80 east on engine and Back-door lodes. We are driving west in the 83, west of the cross-cut, by six men, at 181, 10s, per fathom; the level will be driven very wide and 7 ft. high in the ling ground we have been cross-cutting through in this level; the lode is good for tin. We are also driving the 68 east by four men, at 171, 10s, per fm; the end will be driven for high and 12 ft. wide, in a good lode of tin. Trevena's shaft is set to complete bom the 55 to 70 by eight men; the lode is from 6 to 7 feet wide, hard and spare for titing down. The 68 east of the consecutive of the sense of the towards the north ting ground, set for men, at 121, per fathom, 2 fms, or cut a lode. Our tribute is all set, most of it former tribute at 11s. and 12s. The steam-stamps house is completed, and on Manesday next we shall put the steam-whim to work, and the boiler and some other list of the stamping-engine will be delivered on the mine. Other things are going equitasetically—J. Delininger; J. Carpenting. T. Delininger; Sept. 21.

The new steamswhim has now gone to work in first-rate order, and is drawing for the 76 fm. level

PERAJUELL.—There is no alteration on the lode to notice since last reported; passequally, we shall continue our present stopes higher.—T. GRENFELL. Sept. 24. passequalty, we shall continue our present stopes nigher.—1. Gasta continue our present stopes night first. South of engine-shaft, still in alle. We have had more water issuing from the end for the last 2 ft.—J.

General Sept. 25.

BOUND HILL.—The new lode in the 30 fm. level, driving south-west, is disorrated by emas-branch, and not a present is of no value for lead ore. The lode in the
10 fm. level, driving south of the new engine-shaft, is 18 inches wide, with spots of
ser in it. The lode in the 20 fm. level, south of new engine-shaft, is upwards of 3 ft.

Wide, andwill yield 20 cwts. of lead ore per fm. No. 1 pitch in the back of the 30 fm. level, anoth of the same level, north of the shaft, will yield 20 cwts. of lead ore per fm. No. 2 pitch
is the back of the same level, north of the shaft, will yield 20 cwts. of lead ore per fm. No. 2 pitch
is the back of the same level, north of the shaft, will yield 20 cwts. of lead ore per fm. No. 2 pitch
is the back of the same level, north of the shaft, will yield 20 cwts. of lead ore per fm. No. 3 pitch in the bottom of the 20 fm. level is the same as last reported, yielding
the different levels worthy of notice.—J. KNEERONE: Sept. 26.

SORTRIDER AND BEDFORD.—The new shaft, on the copper lode, has been surk
to the depth of 12 fms., in a very congenial piece of ground for mineral; the lode at
flowing. We have got the axle to pit, and the carpenters are backly engaged creeting
the engine-wkel. We have completed 100 fms. of leat.—T. TREWERKE: Sept. 26.

SORTRIDER CONSOLS.—At Hitchins's engine-shaft, the ground has become a

became. We have got the axle to pit, and the carpenters are busily engaged creeting the engine-wheel. We have completed 100 fms. of leat.—T. Theweeke: Soft. 26.

SORTHIDG. CONSOLS.—At Hitchins's engine-shaft, the ground has become a little harder, still to not think the lode is far off. At the castern engine-shaft, we have completed 100 fms. of leat.—The plat in the 40 west is consistent with ore, but worth nothing to value. The plat in the 40 west is consistent with ore, but worth nothing to value. The plat in the 40 west is consistent with ore, but worth nothing to value. The plat in the 40 west is consistent with ore, but worth nothing to value. The plat in the 30 worth 3 tons of face. The plat in the 40 west is consistent with ore properly of the same level is one of face. The plat in the part of face is a face of face in the part of face in the properly of the plat of face in the part of

sutting about; it is a very promising gossan. Altogether, I think this is of great insperance to the value of our mine.—J. Mattheattl.: Sopt. 27.

SORTHING UNITED MINES (SEAR TAVISTOCK).—I am much pleased that you have described the grant for mining on the lands of Mr. R. P. Parlby, in the parishes of anglorishmost of the mining on the lands of Mr. R. P. Parlby, in the parishes of anglorishmost of the mining on the lands of Mr. R. P. Parlby, in the parishes of anglorishmost of the mining on the lands of Mr. R. P. Parlby, in the parishes of anglorishmost of the mining of the mining and the same of the same of the mining and the same of the same of the same of the grant for mining of the mining and the cast to the grantic range of Dartmoor. This set of yours extends an entry a mining and same of the s

level, driving ed will get into a very fast in the very favourable and bottom of thing on very well ore ready for sale

ores; and whoever may embark with you in this adventure will be very fortunate. Any further information on the sett, or mode of proceeding in working it, is at your command by application, and I shall feel great pleasure in seeing this mine fairly prosecuted.—Joszu Hobon: Sept. 27.

nurther information on the sett, or mode of proceeding in working it, is at your command by application, and I shall feel great pleasure in speing this mine fairly proscented.— Joseph Hodge: Sept. 27.

SOUTH BEDFORD CONSOLS.—There is no alteration to report in the engine-shaft. In the 49 west the lode is 3 feet wide, producing 1½ ton of ore per fathom. The stopes in the back of this level are worth 3 tens of ore per fathom. The lode in Red Whim-shaft is 5 ft. wide, yielding 3 tons of ore per fathom. In the 36, west on the middle lode, the lode is 2 ft. wide, producing saving work.—J. Prallers, jan.

SOUTH CARN BREA.—I have forwarded a box of ore broken from the late discovery in the bottom of the flat-rod shaft. We are carrying in the shaft 3 ft. of the lode; the branch opening on is about 3 inches wide, composed of becartiful green earbonate, and black and yellow ore, very rich, of like quality and similar to the ore now raising from our main course of ore in North Basset.—T. Glanvillel: Sept. 26.

SOUTH CRENVER.—We are sinking the engine-shaft below the 64, ground favourable and water little. Therise in the back of the 34 west is in favourable ground; the lode is 1½ ft. wide, worth 1 ton of ore per fathom. We have about 2 fathoms to communicate this rise to the 74. When the rise is holed we expect to open some ore ground in the back of this level (the 84). In the 74, cast of engine-shaft, the lode is about 9 to 12 in. wide, producing good stones of ore, not much to value at present. In the 64, east of Gore's, the lode is from 2 to 2½ ft. wide, producing from 1½ to 2 tons of ore per fathom: this end bids fair for a bunch of ore, having a large iode in the level above, which produced a large quantity of mundic, ore, jack, &c. In the stopes east and west of Gore's wines the lode is from 3 to 3½ ft. wide, and will produce from 2½ to 2 tons per fathom. In the 54, east of Gore's, the lode is 1 ft. wide, producing fine stones of ore, mundle, and quartz; this end has a promising appearance, but a present not to value

does not contain any ore worth saving. The cross-cut is progressing favourably.—

J. Cock: Sept. 26.

SOUTH ROBERT AND SORTRIDGE UNITED.—Our present operations are now confined to proving the various lodes, and have intersected No. 1, or the north lode, in another pit, and have sunk on the lode 9 ft.; it is a fine lode, 6 ft. wide, composed of gossan, mundic, &c., spetted throughout with copper ore, and from all appearances will make copper very shallow. The stratum is a beautiful light killas, precisely similar to the adjoining mines, North Robert and Sortridge Consols. The south lode is 12 ft. wide, carrying a fine gossan on the back, with prian, quartz, and mundic, and promises to be very productive for copper ore at no great depth.—J. Pomeror.

SOUTH ZION.—The adit level has been extended 9 fms. 3 ft. beyond the No. 2 cast and west lode, and a level cast on the course of the same lode is now in 6½ fms. The lode in the end is 2½ ft. wide, with two well-defined walls, and is altogether a good looking lode, spotted with copper ore. We intend to open a shaft from surface at the point marked in the plan, near the South Tamar lode, and between Nos. 1 and 2 cast and west lodes, which will intersect No. 2, dipping south, after we get down (say) 8 to 10 fms. The shaft will then be continued on the course of the lode.—J. Honor: Sept. 26.

ST. AUSTELL CONSOLS.—Dowson's engine-shaft is down 2 fms. under the 25 fm. level; the shaftmen have been partly engaged about other necessary work. The lode in the end west in the 25 is as rich as ever, and is showing every appearance of continuance. I have nothing new to report anadex.

goot incoming loods, spotted with copper ore. We intend to open a shaft from surface at the point marked in the pine, near the South Tamars loids, and between Nos. 1 and 2 cast and west lodes, which will intended the continued on the course of the lode.—3. Honoa: Sept. 23.

ST. AUSTELL CONSOLS.—Dowson's engine-shaft is down 2 fms. under the 25 fm. level; the shaftmer have been partly caraged about other necessary work. The lode in the end west in the 25 is as rich as ever, and is showing every appearance of continuance. I have nothing new to report underground in the other parts of the mine. In the continuance of the continuance of the parts of the mine. In the continuance of the continuance of the continuance of the continuance of the continuance. I have nothing new to report underground in the other parts of the mine. In the continuance of the continuanc

WHEAL GRENVILLE.—The 85 fm. level cross-cut, driving south, continues to be in granite, and the character of it is much the same as I stated last week. In the 70 cross-cut, driving north, we are not yet through the civan; but, as I before remarked, its colour is a little lighter, and there is more water coming from the end than there was, which is a favourable symptom. We have torked out the Nowton Mine, and the shaft is cunk about 9 fms. below the 18. We have taken up the water preparatory to sinking, but the shaft being very wet after stopping so long, I fled the men are rather shy to go in it. There is in the shaft a strong lode, producing spots of tin, and in the south side of the shaft there is a soft granite, which i consider to be a favourable indication, and I am expecting that after the lode going west is very regular, and in the eastern end the lode appears to be entering the granite. The let is extended a few fathems to the east and west of the engine-shaft. I have brought from the western level this week some spleudid stones of in. The lode going west is very regular, and in the eastern end the lode appears to be entering the granite. After, therefore, looking at the lode, and the branches, &c., which are coming into the lode, I cannot but think that the prospects in the back of the said level, both cast and west of Rawe's winze, are worth from 144, to 163, per fm. for tin. The 50 west, on ditto, is worth 104, per fm. The stopes in the back of the said level, both cast and west of Rawe's winze, are worth from 144, to 163, per fm. for tin. The 30 fm. level, west of Rawe's winze, are worth from 144, to 163, per fm. for tin. The 30 fm. level, west of this day sampled 45 tons of copper ore, some part of which is of excellent quality.—G. Francis: Sept. 20. WHEAL KITTY (Sr. ADNES).—The stopes in the back of the 64 fm. level, we hope shortly to reach the tin ground just discovered in the 20. We have this day sampled 46 tons of copper ore, some part of which is of excellent quality.—G. Francis: Sept. 26. WH

son to believe it is very near us, as a large quantity of water is coming out of the end. Over tribute department is looking much the same as when last reported on.—Thos. Cantra: Sept. 23.

WHEAL LANGFORD.—Since last report the engine-shalt has been sunk of feet. The silver lode in the bottom of the shalt continues much the same in quality as it has for some fathoms above, but a part of the copper lode is now in the shalt, with has for some fathoms above, but a part of the copper lode is now in the shalt, which is producing stones of copper ore and mundic; the main part of the copper lode still remains to the north of the shaft. The stopes in the back of the 2s fathom level are yielding about 3 ewts. of silver ore, and it no of copper ore per fm. The 28, cast of Malachi's shaft, has been driven 9 ft.; the south part is yielding saving work, but not rich. The copper lode at this point is not yet cut through; the part opened shows good stones of copper ore. The 15 fm, level has been extended 6 ft. cast; the lode in the present end is small and poor, and the men are removed from this end to rise in the pasc, to communicate with the stopes. The stopes in the back of this level are of much the same quality as they have been for some time past. The copper tributers in the back of the 29 fathom level are carning fair wages. As the rotary engine and crusher are completed, we have commenced crushing and dressing the copper ore at surface, and chall get a parcel of ore ready for the October sampling. We have also commenced to prepare another parcel of silver ore. Since the new balance-bod has been attached to the pumping engine it works much steadier than it did before, and will no doubt effect a considerable saving of coals.—J. Nance; W. Knorr: Sept. 24.

WHEAL MADLIA.—The water is now as high as the bottom of the 20. There are about 14 tons of copper ore at surface, which may as well be sent to market. I did hope to have got some few tons more to add to it, but the water rose too fast for us to do this. If we can keep

Craddock Moor Mine, adjoining Wheal Pollard, the No. 4 lode in the 40 end west, driving towards Pollard, is worth full 40t, per fm.—James Nance: Sopt. 22.

WHEAL SURPRISE—The 12 fathom end, driving cast, is looking first-rate for copper ore; it is impossible to be better unless a course of ore, and this is expected daily. I have no doubt upon reaching the 24 fm. level we shall have copper ore for market, and not a little. By changing the pitwork the wheel works much better. Everything is progressing satisfactorily, and I fully expect within a month from this time to prove that Wheal Surprise is equal, if not better, than many mines that are selling at from 12,0001. to 12,0001. in this locality.—T. Dunn: Sept. 27.

WHEAL TRELAWNY.—We have set Smith's shaft to sink under the 120 fathom level, for beavers and cistern. The cross-cut in the 120 is extended 6 ft. towards the lode. The lode in the 108, north of Smith's shaft to sink under the 122 fathom level, for beavers and cistern. The cross-cut in the 120 is extended 6 ft. towards the lode. The lode in the 108, north of Smith's shaft to sink under the 120 fathom level, for beavers and cistern. The cross-cut in the 120 is extended 6 ft. towards the lode. The lode in the 108, north of Smith's shaft to sink under the 120 fathom level, for beavers and cistern. The transmission of the shaft, where we have some good stones of the last 1 is 1 ft. wide, worth 12, per fm.; in the same level south it is 1 if. the wide, worth 16. per im.—South Mine: Trelawny's shaftmen have commenced to cut through the lode in the 130 south Mine: Trelawny's shaftmen have commenced to cut through the lode in the 130 south with the same level north it is 20 in, wide, composed of mundic and fluor-spar. In the 107 south it is 2 ft. wide, worth 107, per fm. The stopes and pitches are producing much as usual.—W. JEERIN; W. BERMET; Sept. 25.

WHEAL TREVELYAN.—Watson's engine-shaft is now sunk 9 fathoms below the adit level; for the last 9 ft. sinking the ground has altered to a fine blue killas str

get below the 18 fm. level. Our tributers are going on just as usual.—J. D. Ossonae; B. GUNDEY: Sept. 20.

WHEAL TRISTREM.—The 66 end and the 62 cross-cut have been driven as fast as possible, and are without alteration. In the 52 end the lode is still 4 ft. wide, producing fin. In the stopes behind this end the lode is 4 ft. wide, worth 2 cwts. of the per 100 sacks. We have taken down a piece of the new lode in the 40 cross-cut; it is rather disordered by a run of killas, and not quite so good, but continues the same size, about 1 ft. wide.—J. Jenkely: Sept. 25.

WHEAL ZION.—The lode at Richards's shaft still remains without material alteration. The lode in the 66, cast of engine-shaft, is still producing occasional stones of ore, ground moderate for driving. The lode in the 50, east of Richards's shaft, and in the 40, west of engine-shaft, without alteration to notice. The stopes in the east and west of Thomas's winze are worth from 154 to 184, per fm. In the 50, west of engine-shaft, the middle lode is looking well, worth 2 tons per fathom. The stopes in the back of this level are looking promising, producing from 1 to 1½ ton per fathom.—James Baax: Sept. 26.

— There is at present a good quantity of ore broken underground, and by next month there will be from 90 to 100 tons ready; and when the ore ground in the mine is further laid open in the usual way, I shall be able to give an estimate of the quantity of eyou may expect regularly. The 30 fm. level, on the middle lode, is looking well, and I hope to see a further improvement in this part of the nine.—James Richards: Spt. 26.

Mr. R. Trodinnick in his Subscription Circular, sava—

Mr. R. Tredinnick, in his Subscription Circular, says-

Mr. R. Tredinnick, in his Subscription Circular, says—

"The British Mining Share Market is firm—in fact, force of improvements in several of the progressive mines as they become developed, with discoveries constantly being made in Camborne, Higgan, Redruth, Basect and Wendron, Kosewarne, and Sortridge districts, not only prove the intrinsic value of the mines now at work, but command the attention of capitalists and the public generally to them as sources of profitable investment. The large amount of dividends paid bi-monthly, upon very small outlays, by numerous companies, demonstrate Cornieh and Devon Mining to be less hazardous than is too frequently believed and represented by those not practically conversant with the subject. Whenever grants or setts are judiciously selected in localities having analogies and profitable surrounding mines in their favour, being homestly and scientifically carried out, with funds subscribed to lay open the several lodes, and creet machinery to render the produce marketable, success and profits usually are the result; but it is too often the case that shareholders expect, and depend upon, immediate premiums and dividends, without even allowing time to sink the shafts or drive levels, so as to open up the requisite sections of the lodes, to allow their produce to become profitably available. Such is not legitimate adventure—they rely upon market operations, instead of dividends from yield, and the tendace; is frequently prejudicial to their interests. Want of patience and perseverance in mining enterprise are forcibly presented in the following insances, wherein some of the shareholders relinquished shortly before the mines proved eminently successful:—Tresavean has divided 4672. 15s. per share; East Crofty, about 8001, per share; that the means are surrounded to individend companies; yet shareholders resident near the mines, possessing every opportunity of individually testing and examining the indications presented, wanted the necessary spirit of speculation and call, the week, about 11, and have a great deal of middle going on with the crosscround at the shall is much as I has been. We share this week sunks In.—Those is producing the producing that the lode. The producing that the work. There is no alteration to report on in the cross-cut south from the shalf.—J. Prov. Sept. 27.

WEST SORTRIDGE CONSOLS.—The lode in the 10 is increased in size, but it is not rich. The lode in the stope is producing fast tim work. There is no alteration to report on in the cross-cut south from the shalf.—J. Prov. Sept. 28.

WEST WHEAL TOWAN.—We have broken good stones of tim in the past month from Wheal Lashington lode, in the 30 far they yield is not enough to be of any value. We have brought down the shalf, and in a few days will commone driving north and south to cut the lodes, which we hope will be down before next setting-day. We have cut another lodes that the standard of the control of the contro

dressing floors become completed, say another year, render this property a dividend and favourite one with the London market. There has already been a large sum of money expended on the mine, and now, in order to work it in a proper manner, there dressing-floors become completed, say another year, render this property a unassenand favourite one with the London market. There has already been a large sum of
money expended on the mine, and now, in order to work it in a proper manner, there
should be a whim erected as soon as convenient, either steam or water, and the stamps
applied exclusively to stamping, when much more stuff might be stamped, and, in
my opinion, tin got out to pay dividends. There are 28 men only employed on tutwork, not near enough to open ground sufficient to keep this mine in good working
order; but, under existing circumstances, they cannot be increased, as the machinery
will not discharge the staff broken. Should the ground continue to open as well as
that which has been opened by the present adventurers, I have no doubt but that the
mine will prove lasting and remunerative. Great Wheal Vor is selling at a discount
of 10s. The large amount of money subscribed for working this adventure, and the
highly respectable parties connected with its management, are guarantees that the
works will be carried out in a practical and miner-like manner, whilst the funds at
their disposal are ample to complete the vast field of machinery required, and render
the mines a dividend property. The prospects of this adventure are good, whilst capital embarked at the present price of sharce may be regarded as a permanently profitable investment. The next monthly sale of tin will take place on October 6, which
will much exceed the last. A new 85-in. engine goos to work this day."

LEAD ORFE.

Che Mining Market; Prices of Metals, Ores, &c.

MPTAL MADNET Landon Sent 99 1855.

Sheathing and boltsp.lb. 0 1 2	SPELTER. Per Ton.
Old (Exchange) 0 1 016	Povolem 23 17 6
	To arrive 23 12 6-23 15 0
Best selectedp. ton 129 0 0	
Fough cake	EING.
Tile 126 0 0	In sheets 31 0 0
South American , 112 0 0-113 0 0	TIN.
IRON. per Ton.	English, blocks
Bars, Welsh, in London . 9 15 0-10 0 0	Ditto, Bars (in Darreis) 12, 0 0-
Ditto, to arrive 9 2 6- 9 5 0	Ditto, Renned
Nail rods 10 0 0-10 10 0	Banca
** Stafford, in London 11 10 0-12 0 0	
	IX Ditto 1st quality 2 0 6- 2 1 0
	IX Ditto 2d quality , 1 18 6
Pig, No. 1, in Clyde 4 1 0- 4 2 0	In London; 20s. less at the works.
LEAD.	Yellow Metal Sheathing p. 1b. 1116d 1s
English Pig 25 0 0-25 10 0	
Ditto sheet 26 0 0	Wetterstedt's Pat. Met, p.cwt. 2 2
Ditto red lead 26 0 0-26 10 0	
Ditto wbite 27 0 0-30 0 0	Dalla a Ace
Ditto patent shot 27 0 0-27 10 0	Surface Railsp. ton)
Spanish, in bond 24 0 0-24 10 0	Stirling's Patent Glasg 5 5 6
American none.	Stirling's Patent Toughened Pigs Ditto Wales 4 0 0- 4 5 6
	Ditto Wales 4 0 0- 4 5
FOREIGN STEEL.	Indian Charcoal Pigs 6 10 (
Swedish, in kegs, to arr. 19 0 0	in London
Ditto, in faggots 20 0 0-21 0 0	
English, Spring 21 0 0-22 0 0	Lumpp. ton 00 0 0-00 0 0
Brass (sheets)p. lb. 12%d.	Crystallised 00 0 0-00 0 0
Wire 11%d.	Ground 00 0 0-00 0 0
	to 1s. 6d. per box less.

REMARKS.—Throughout the past week the flourishing state of the Metal Trade has not been checked in any way requiring particular notice, the raising of the Bank rate of discount having but very slightly affected even the most speculative articles in our market; besides which, nothing whatever has transpired to exercise any depressing influence, there being an active demand for most descriptions of metals at current rates.

active demand for most descriptions of metals at current rates.

COPPEL.—Several orders have been given out for shipment, and the smelters are still bountifully supplied with work. The stocks in London are insignificant, consequently purchases can only be made for forward deliveries. Prices have not altered, but are extremely firm. There is very little foreign in our market, and but few parcels spoken of for arrival. The value of ores continues high; next sale at Swansea on the 2d October.

IRON.—In English bars, no variation in price has taken place; the demand continues moderate. The men at some of the works in Wales having struck for an advance of wages, has caused the ironmasters to be backward in the fulfilment of many of their contracts; we believe, however, that arrangements have been made between some of the men and their masters, on the understanding that they return to work at the beginning of the ensuing month. Enquiries for Staffordshire qualities in our market are rather limited; nevertheless, there is a good business doing generally, and considered sufficient by the ironmasters at the quarterly meeting to confirm the anticipated advance of 20s. per ton, which has been established during the past quarter. Scotch-pizs have remained steady, but quiet, at 80s. for mixed numbers, until yesterday, when the market became a trifle weaker, the past quarter. Scotch-pigs have remained steady, but quiet, at 80s. for mixed numbers, until yesterday, when the market became a trifle weaker, on account of the advanced rate of discount, and mixed numbers drooped to 79; to-day on 'Change there was a partial recovery, and the market closed at 79s. 6d. mixed numbers, g.m.b., f.o.b. in Glasgow.

Lead.—At the annexed prices we do not hear of any transactions having taken place, but sellers seem indisposed to operate at lower rates. The feeling in our market at the moment is rather languid.

Spelter.—From 300 to 400 tons have been sold at gradually improved prices, mostly for shipment to the East; at 231, 12s. 6d. about 200 tons were taken, and the remainder at 2s. 6d. to 5s. per ton advance, the market on 'Change to-day being firm, at 231, 17s. 6d. per ton.

Tin.—English quiet; very little indeed doing. Banca and Straits are also neglected, but have not differed in value.

Tin.—Plates, after declining to 28s. 6d. for IC coke, have again rallied, 29s. 6d. being now the lowest quotation, and 34s. 6d. for IC charcoal; the demand is not very great just now.

Specifically a server of the price work of the price work of the price without animation.

Glasgow, Sept. 27.—During this week the pig-iron market has been dull, and prices have consequently declined. To-day a considerable business was done at 78s., but the market immediately afterwards rallied to 78s. 6d., 79s., buyers, at which we closed, not much iron offering. The state of the London stock market has had a depressing effect on the price of warrants, but with large shipments, good local demand, and decreasing stock, we fully expect an improvement shortly. To-days quotations are —No. 1, Gartsherric, 82s. 6d.; No. 1, g.m.b., 80s.; No. 3, g.m.b., 77s. 9d. Shipments for the week ending Sept. 22:—Foreign, 6522 tons; coastwise, 7149 tons = 13,671 tons. In the corresponding week of 1854 they were —Foreign, 3406 tons; coastwise, 8762 tons = 12,168 tons.

LIVERPOOL, SEPT. 27.—During the past week a fair amount of business has been done, and the tone of the metal market generally is healthy. Scotch pig-iron has been quiet, without any material fluctuation in price, notwithstanding the large shipments from Glasgow (13,000 tons). Ordinarily such extensive shipments tend to give impetus to business, and to raise prices; but such has not been the case this week, owing, probably, to the apprehensions which existed during the earlier part of the week, and to-day realised, of a further increase of \$\frac{1}{2}\$ per cent. in the rate of disand to-day realised, of a further increase of \$\frac{1}{2}\$ per cent. in the rate of discount by the Bank of England. Manufactured Iron, in its several branches, also rails, continue to be well enquired for. The Canada brought some extensive orders for bars, hoops, and sheets, at current prices, and the intelligence generally induces to the opinion that a very extensive business may be confidently expected for the coming spring with the United States. Tin-plates, Copper, and Lead are in large request, at our quotations, and for the two latter articles especially the demand is surprising, considerably exceeding the supply. In other metals we hear of no business of importance. The quotations are:—Iron: Merchant bar, \$l. 15s. per ton.—Tin: Common block, 126s. per cwt.; common bar, 127s.; refined block, 131s. Tin-plates: Charcool, IC, 33s. 6d. to 34s. per box; coke, IC, 28s. 6d. to 29s.—Lead: Sheet, 25l. per ton; pig, 24l. 10s.—Zinc (sheet), 31l. per ton.—Copper: Bolt and sheathing, 1s. 2d. per lb.; tile and tough cake, 126l. per ton; best selected ditto, 129l.—Yellow metal sheathing, 1s. per lb.

A species of panic seems to have taken possession of the stock markets this week, for which the mere pressure for money is scarcely a sufficient cause. It is useless, however, to attempt to analyse it, for nothing is more difficult to account for at times, or more easily got up, than a panic" in the money or the share markets. The funds have been gradually falling, railways have been a drug, whilst "Turkish" has dropped altogether nearly 15 per cent. Mining, we are glad to say, has not been ted to the extent which might have been expected, considering the speculative nature of the property, for although a large amount of business has not been transacted, prices generally have been well supported, whilst in a few mines a considerable advance has taken place. The high price of metals gives a freat impetus to mining. Lead is rising fast, and

it will probably be much higher before long than it has been for many years; and copper and tin are both at good remunerative prices.

North Robert shares have reached 38 to 40. Rosewarnes have been firmer, in anticipation of a good dividend next week. Condurrows have North Robert shares have reached 38 to 40. Rosewarnes have been firmer, in anticipation of a good dividend next week. Condurrows have reached 170*l*, but left off flatter; North Basset, 30; Lady Bertha largely dealt in; East Buller rather in request; West Seton, 475; Grenville, 2\frac{3}{4} to 3; Peda-an-drea, Carvannal, and Carnyorth enquired after; West Basset, 31; Devon Great Consols, 410 to 415; Basset and Buller remain about the same; Craddock Moor, 30. In the Alfred district there is not much doing; South Frances, 680; Stray Park, 12; West Providence, 12\frac{1}{2}; West Sortridge left off at 7s., and in demand.

12½; West Sortridge left off at 7s., and in demand.

From the mining districts, our advices are of a favourable character. At West Seton, the 124 end west is yielding 20 tons per fathom. At Condurrow, the 30 east has much improved, and other parts of the mine are looking well. At Stray Park, the 50 fathom level, going west in Wheal Francis, is looking better. At Wheal Pollard, the No. 4 lode in the 11 fm. level end, driving east, is ½ ft. wide, spotted with copper ore, and showing very promising indications. In Craddock Moor, the adjoining mine, this No. 4 lode in the 40 end west, going towards Pollard, is worth 40l. per fathom. At Sortridge, one or two discoveries are announced, one of them being, according to the report, a leader of ore 3 ft. solid. At Hender, it is said the north lode has been cut good, but we have no official report of it. At West Sortridge, the cross-out south in the 20 is approaching the lode, with favourable indications. From Lydford Consols the reports are encouraging. At North Robert, the sinking of the trial shaft has been resumed, and the lode in the end east in the 20 is 4 feet wide, all saving work; the other parts of the mine are looking well. At Frank Mille, the lode has very much improved in the 45 fm. level, both north and south; in the former level it is yielding 10 cwts. of dressed lead per fm.

Having long advocated the sub-division of shares in the large dividend mines into 1024ths, a measure which we consider the increased importance of the mining market and the interests of the shareholders have demanded, of the mining market and the interests of the shareholders have demanded, we are glad to learn that it is the intention to increase the shares in Wheal Basset, at the account meeting next week, to 512ths. This is one good step, though we would rather have gone further, and had 1024ths, the same number as in Devon Great Consols, and which, as we have more than once observed, are better supported in the market as regards price than any other shares. The Rosewarne meeting will be held on Monday next, and why should not these shares also be subdivided? It only rests with the purser and the shareholders were the meeting to define the shareholders were the s the purser and the shareholders present at the meeting to do it.

DIVIDENDS DECLARED IN SEPTEMBER.

Devon Great Consols	£9	0	0		£9216	0	0	
Wheal Buller	20	0	0		5120	0	0	
South Wheal Frances	17	10	0	*******	4340	0	0	
West Basset		12	6	*******	3750	0	0	
South Caradon	- 8	0	0	*******	2048	0	0	
Hingston Down Consols	0	5	0		1500	0	0	
Marke Valley		3	0	*******	900	0	0	
Cwmystwith	- 5	0	0		640	0	0	
Cefn Cwm Brwyno	3	0	0	****** **	600	0	0	
Wheal Kitty (Uny Lelant)	2	0				0	0	
Wheal Mary Ann		0	0	*********	512	0	0	
Wheal Charlotte	0	10	0			0	0	
Carnyorth		3	0	********		4	0	
Spearne Moor	1	0	0			ō	0	
Linares		10	0	********	5000	0	0	
Peninsular	0	2				0	0	
Lusitanian	0	2	6	********	1250	0	0	
Total				£	39,612	4	0	

The following is the Official List of the week :-

The following is the Official List of the week:—

SATURDAY, SEFT. 22.—Condurrow, 145 to 150; Carvarth, 3 to 3\frac{1}{3}; Frank Mills, 2\frac{3}{4}; Lady Bertha, 1\frac{1}{3} to 1\frac{1}{2}; North Robert, 36; Tamar Consols, 2\frac{3}{4}; West Seton, 460; West Sortridge, 6s., 5s., 5s. 6d., 6s. 6d.; Wheal Buller, 630; Wheal Trefusis, 9\frac{1}{4}.

Monday.—Condurrow, 160, 170, 160; East Buller, 7\frac{3}{4} to 8; Lady Bertha, 35s., 37s. 6d., 36s.; North Basset, 29\frac{1}{3}; North Robert, 38; Rosewarne, 240, 232\frac{1}{3}, 235; Stray Park, 11\frac{1}{4} to 12; Tamar Consols, 2\frac{1}{4} to 2\frac{3}{4}; West Sortridge, 5s. 6d. to 6s.; West Frances, 20\frac{1}{3}; Wheal Buller, 640.

Tussday.—Carnyorth, 3\frac{1}{4} to 3\frac{1}{3}; Oraddock Moor, 30; East Basset, 42\frac{1}{3}; East Buller, 7\frac{1}{3}; Great Sortridge, 10s.; Lady Bertha, 37s., 40s., 34s., 35s., 36s., 40s., 41s. 3d.; North Robert, 39, 37, 38, 39, 39\frac{1}{3}, 40.

Rosewarne, 230; Rorrington, 2s. 3d.; South Zion, 6s., 7s., 5s.; South Tolgus, 80 to 85; West Collacombe, 13s. 6d. to 13s. 9d.; Wheal Arthur, 14 to 14\frac{1}{3}; Mary Ann, 36; Wh Trelawny, 21\frac{1}{3}; Wh. Grenville, 2\frac{1}{4} to 3.

Weddenstay.—Alfred Consols, 1\frac{1}{3}, Lady Bertha, 40s. to 37s. 6d.; North Basset, 30; North Robert, 39, 40, 38, 39; South Zion, 6s. 37s. 6d.; North Basset, 30; North Robert, 39, 40, 38, 39; South Zion, 6s. 3d. to 6s. 9d.; West Frances, 20\frac{1}{3} to 18\frac{1}{3}.

Thurshys.—Cardwaren, 180.—Carall, 181. Service, 181.

Park, $12\frac{1}{2}$; Sortridge Consols, $6\frac{1}{2}$, $6\frac{1}{2}$, 7; South Zion, 6s. 3d. to 6s. 9d.; West Frances, $20\frac{1}{2}$ to $18\frac{1}{2}$.

Thursday.—Condurrow, 160; Cargoll, $16\frac{1}{8}$; East Buller, $7\frac{1}{8}$; Ivybridge, 30s., 31s., 32s.; Lady Bertha, 38s. to 40s.; Rorrington, 1s. 9d. 1s. 7d., 2s., 2s. 6d.; Sortridge Consols, 6 15-16 to 7; Tamar Consols, $2\frac{9}{8}$; Trowetha, $2\frac{1}{4}$; West Frances, $20\frac{1}{2}$; Wheal Grenville, $2\frac{1}{4}$.

Friday.—Carnyorth, $3\frac{1}{2}$ to $3\frac{3}{4}$; Vale of Towy, 19s. 6d.; Condurrow, $162\frac{1}{2}$ to $152\frac{1}{2}$; Trowetha, $2\frac{3}{2}$ to $2\frac{3}{4}$; Lady Bertha, $1\frac{1}{8}$, 11. 18s. 6d.; Hender, $4\frac{1}{4}$ to $5\frac{1}{2}$; North Robert, $39\frac{1}{4}$; West Seton, 470 to 476; Trelawny, 22; Forest Mine, $7\frac{1}{2}$; Tincroft, $3\frac{1}{2}$; Mary Ann, $37\frac{1}{2}$; Wheal Kitty, $37\frac{1}{2}$; West Basset, 31; Tamar, $2\frac{9}{8}$, $2\frac{3}{4}$, $2\frac{7}{8}$; North Basset, $29\frac{1}{2}$ to 30; West Sortridge, 7s.

The following business has been done on the Stock Exchange, although the greater portion of the transactions do not appear in their List. At the beginning of the week a fair amount of business was transacted, but this portion of the mining market showed yesterday the effect of raising the rate of discount at the Bank of England; for, although prices were pretty well maintained, the number of shares changing hands was small:—

well maintained, the number of shares changing hands was small:—

SATURDAY.—Lady Bertha, 32s. 6d. to 35s.; West Sortridge, 4s. 6d. to 5s.; Sortridge Consols, 6\frac{2}{3} to 7; West Collacombe, 12s. 6d.; Sortridge and Bedford, 5s. 6d.; Great Wheal Vor, 16s. to 16s. 6d.

MoxDAY.—North Basset, 29 to 29\frac{1}{2}; Sortridge Consols, 6\frac{7}{3} to 7; Lady Bertha, 32s. 6d. to 35s.; West Sortridge, 4s. 9d. to 5s. 3d.; North Sortridge, 10s. 6d. to 11s. 6d.; East Sortridge, 5s. to 6s.

TUENDAY.—Wheal Zion, 40s.; Sortridge Consols, 6\frac{7}{4} to 7; North Basset, 29\frac{1}{2}; West Sortridge, 5s. to 5s. 3d.; North Basset, 29\frac{1}{2}; West Sortridge, 5s. to 5s. 3d.; Sortridge Vor, 16s.; Lady Bertha, 37s. 6d.; West Sortridge, 5s.; Great Wheal Vor, 16s.; Lady Bertha, 37s. 6d.; West Sortridge, 5s.; Sortridge Consols, 6\frac{7}{4} to 7; Rorrington, 1s. 9d. to 2s. 6d.; Tamar Consols, 2\frac{2}{2}.; Trewetha, 2\frac{3}{4}; Lusitanian of Portugal, 2\frac{1}{4}; South Australian Scrip, \frac{3}{2}.

Thurbanay.—Sortridge Consols, 7; Lady Bertha, 38s. to 40s.; West Sortridge, 4s. 9d. to 5s. 3d.; North Basset, 29\frac{1}{2}; Rorrington, 1s. 7d., 1s. 9d., 2s., to 2s. 6d.

Friday.—Great Crinnis, \frac{1}{2} to \frac{3}{2}; Lady Bertha, 38s. to 39s.; Lusitanian, 2\frac{1}{2}; Lelant Consols, 15; Buller and Basset United, 5; South Buller and West Penstruthal, 2\frac{1}{2} to 3; Grenville, 2\frac{1}{2}, 2\frac{1}{2}, to 3; North Busy, 6; Boiling Well, 18; Great Fortune, 9; Clowance Mines, 75 to 77\frac{1}{2}; Great Wheal Vor, 15s., 16s., 17s.; South Creaver, 25s.

The arrivals of the precious metal in England during the week have

The arrivals of the precious metal in England during the week have been:—From Boston, per Canada, \$511,518; from the Peninsula, per Madrid, \$7000; from Sydney, per Duke of Northumberland, 6848L, or 1712 ozs. of gold. The withdrawals of specie from the Bank have been to the extent of from 200,000L to 300,000L. The latest prices quoted for the precious metals are:—Dollars, 5s. 04d. per oz.; bar silver, 5s. 14d. per oz. standard; ditto holding 5 grs. of gold, 5s. 14d. per oz. standard; bar gold, 77s. 9d. per oz. standard.

At South Caradon Mine meeting, on Tuesday, the accounts for May and June showed—Balance last account, 1457l. 13s. 1d.; copper ore sold, 7087l.; commission on timber, 1l. 1s.=8575l. 14s. 1d.—Mine cost and merchants' bills, 4859l. 5s. 10d.; pursership and agency, 107l. 16s. 6d.; lord's dues, 376l. 9s. 1d.: leaving balance in favour of mine, 3332l. 2s. 8d. A dividend of 2048l. (3l. per share) was declared, and the remaining 1184l. 2s. 8d. carried to the credit of next account. The profit on the two months' working was 1744l. 9s. 7d. Capl. Peter Clymo, jun., reported that the mine was still looking well, and he had every reason to look forward to a continuance of the present dividends.

At Wheal Tehidy meeting, on Wednesday, the accounts showed—Balsere last ausit, 1814. 1s., 1fd.; mine cost for Jene, 1837. 94. 11d.; July, 1716. 6s. 3d.; heard ore, 2838. 14s. 2d.; calls received, 5717. leaving to next account, 3266. 19s. 4d. The arrears of calls due are 1761. A call of 2s. per share was made. Capts. W. holes and D. Lanksbury report that, within the last two months, the prospects of the mine hard and the chair, the accounts showed—Thio ore sold, July, Aur., and Sept., 1720. 16s. 9d. on the chair), the accounts showed—Thio ore sold, July, Aur., and Sept., 1720. 16s. 9d. one of the chair), the accounts showed—Thio ore sold, July, Aur., and Sept., 1720. 16s. 9d. one of the chair), the accounts showed—Thio ore sold, July, Aur., and Sept., 1720. 16s. 9d. one of the chair), the accounts showed—Thio ore sold, July, Aur., and Sept., 1720. 16s. 9d. one of the chair), the accounts showed—Thio ore sold, July, Aur., and Sept., 1720. 16s. 9d. one of the Armondo of

ealls in arrear, 1917. 14s.; discount on cails, 5s. 14s. 14s.; leaving assame mine, 81f. 15s. 7d. A call of 2s. 6d. per share was made. The shaft is down 71 fms., and is being pushed on as rapidly as possible, and at 3 or 4 fms. deeper a cross-cut will be driven to cut the lode under the elvan, the result of which is expected to be very favourable.

At South Wheal Crofty meeting, on Monday, the accounts showed—Balance at last audit, 535f. 14s. 8d.; copper ore sold, 757f. 5s. 5d.; tin, 47f. 4s. 11d., arsenic, 16f. 4s. 1d. = 1396f. 7s. 1d.—Mine coet for June, 219.1 5s. 4d.; tith for July 26ff. 11s. 11d.; tribute balances, 370f. 5s. 9d.; merchants bills and dues, 14f. 6s. 8d.; leaving balance in hand, 400f. 7s. 5d. Capts. W. Rutter and F. Gilbert consider the prospects as improved since the last meeting. They have 44 men and 4 boys on the work, and about 20 men on tribute.

At the Boiling Well Mine meeting, on Thursday, the accounts showed balance of 1053f. 6s. 8d. in favour of the adventurers. The report from Capt. Repnis was considered highly satisfactory.

At East Sortridge Consols Mining Company meeting, on Monday (fir. Nicholls in the chair), the accounts showed a total liability of 230f. 9s. 4d. A colif 6d, per share was made. Mr. W. L. Wobb, the secretary, was appointed manaing director, and the proceedings, which are detailed in another column, terminæed side a vote of thanks to the Chairman and committee.

At Esgair Mwyn Mine meeting, on Thursday (Mr. George Helmoge in the chair), the accounts showed an available balance of 239f. 8s. 6d. The meetig us convened to consider the propriety of receinding a resolution passed in Decembrias, preventing the directors from issuing shares without the consent of a general metis; but the discussion was deferred for a month, pending a further report from themse. I determine the directors from issuing shares without the consent of agencal metis, but the discussion was deferred for a month, pending a further report from themse. I determine the directors from issuing shar

Nanteos and Penrhiw, Newtonards, Wheal Mary Ann, Cwnystwith, Herodefoot, Tallesin, Byleh Consols, North Wheal Trelawny, Pantymyn, Panyrenblas, Westminster, Maesysain, Minera, Orsedd, Llanerchyraur, Caccaroy, Rheswydol, and Caylan, have sold lead ore.

nenblas, Westminster, Maesysafn, Minera, Orsedd, Llanerchyraur, Cacenroy, Rhoswydol, and Caylan, have sold lead ore.

East Wheal Margaret, Wheal Enys, Pedn-an-drea United Wheal Trevelyan, Wheal Kitty (St. Agnes), and Polberro, have sold black tin.

Cwm Darren sold, on the 12th inst., lead and copper ore, ralising 2351.

West Basset sampled, on Thursday, 589 tons of copper ore, North
Basset sampled 379 tons.—Carvannal sampled 55 tons.

At Goginan, the tribute pitches throughout the mine ardlooking much
the same as usual. They will sample on Oct. 9. from 55 to 60 tons of ore.

At Pedn-an-drea United Mines, the new steam-whim is low in first-rate
working order, and drawing from the 70 fm. level. The monthly eals of in amounted
to 5544. 13s., and which will be greatly increased when the steam samps is at work.

At Wheal Enys, the prospects are still improving, and a considerable
increase in the quantity of tin may be fairly anticipated.

The Dalrhicw Mine (Brecomshire) appears to be progressing satisfactorily. We reported the sales last month of 40 tons of lead and copper ore; this
month we understand that 21 tons of similar rich quality have been raised, and are
month we understand that 21 tons of similar rich quality have been raised, and are
now being transported to Aborystwith. The copper gold last month averaged loy
have reason the finest sould
have cent., and fetched 181. 10s. per ton, which exceeds the average. The finest sould
have cent., and fetched 181. 10s. per ton, which exceeds the average of the finest sould
have common mines, and is much above double the home average.

The peculiar feature
of this mine is the conjunction of two lodes (lead and copper), which are been
of this mine is the conjunction of two lodes (lead and copper), which have been
of note have done the home average.

per cent, and fetabed 181. 10s. per ton, which exceeds the average of the finest Soula American mines, and is much above double the home average. The peculiar feature of this mine is the conjunction of two lodes (lead and copper), which here been opened on for about 20 fms. in the main adit level. Probably, as the Girlings proceed, the lodes will be found to separate, and it is the opicion of experience especially in the deeper ground. As all the required machinery and buildings (except healty in the deeper ground. As all the required machinery and buildings (except healty in the deeper ground. As all the required machinery and buildings (except healty in the deeper ground. As all the required machinery and buildings (except healty all the properties of the men, which have yet to be erected) are compared, and there is every appearance of a continuous and abundant supply of ore, the company may be comised and all the company may be comised to the deeper support of the lock of the company may be comised to the form of the properties of the first pr

two months' working was 1744. 9s. 7d. Capt. Peter Clymo, jun., reported that the mine was still looking well, and he had every reason to look forward to a continuance.

Cwmystwith Mine paid a dividend of 640l. (5l. per share) on Wednesday. A dividend of the same amount was declared on July 26.

Ceft Cwm Brwyno Mine doclares its first dividend of 600l. (3l. per share). At Wheal Charlotte meeting, on Monday, the accounts showed — Balance from last audit, 390l. 5s. 4d.; sales of copper ores (less 65l. 16s. 1d., lord's dues). 1217. 14s. 10l. — 1608l, 4s. 2d.—Mine cost for July 217. 3s. 7d.; Aug., 318l. 5s. 4d.; sales of copper ores (less 65l. 16s. 1d., lord's dues) to meeting before the contents' bills, 118l. 16s. 4d.: teaving balance in favour of adventurers, 749l. (5s. 1ld.). a dividend of 512l. (10s. per share) was declared, and the balance of 257l. 16s. 1ld.

At the Hingston Down Consols meeting, last week, a dividend of 5s. per share was declared. It was erroneously stated that a coll to that amount was made. The mine is divided into 6000 shares, 3l. 7s. 6d. paid, on which 3l. 5s. in dis ridends have been already returned, and the present price is 11l.

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The sea one sean, in posed of promise is of imla lode and has wards worked whose the sea of the s

These are strong opinions, but at the same the indications appear to justify the expectation of profitshie results. The 13 fm. level north has been driven a faw seems only, and his produced some saving work; but the main object is to get the first level, towards which they have sunk 3 fm. below the 13. Notwithments there is no such the level, towards which they have sunk 3 fm. below the 13. Notwithments are should think far below their intrinsic value. We fear that some concerning at high premiums, and before almost a pick has been put in the ground, are sentiled to attention than such promising speculations as Lydford Consols. On other hand, we cannot fail to remember that every one of our rich dividend mines her been at one time "drugs in the market." At the general meeting held on Thurse, no call was required.

From Calstock Consols, a box, containing copper ore and lead, has been lib—"What a relief to one's mind is this discovery, after so many years hard set." Every one is now giving the adventures credit for their perseverance. From Okel Tor Mine, some fine specimens of copper ore have been sent bleaden. The lode in the 35 fm. level, although at present containing a quantity dundle, improves in character every foot driven. The fine-looking ore already beiner than that in this mine.

We understand that a company has been formed to work an extensive

being gives ampie proof that there is searcely a lode in the country which promises a be richer than that in this mine.

We understand that a company has been formed to work an extensive ast valuable piece of mineral ground, immediately adjoining North Wheal Robert, and south-east of Sortridge Consols. The mine will be called South Wheal Robert inscourse, and from the rich mineral character of the neighbourhood, and the insignable fact that at the present moment the Tavistock district stands pre-eminent is assuccessful progressive mines, the shares are being eagerly sought after.

The list of directors of the Great Wheal Busy has been completed, and will be found in our advertising columns. From the known respectability of the parting the week have been enquired after rather freely.

At the Vale of Towy general meeting, which will shortly take place, we selected a dividend of 1000/, will be declared.

The Tamar Silver-Lead Mining Company have convened their annual general meeting for Monday next, and the laney Consols half-yearly meeting for the fallowing Thursday.

During the week, shares have changed hands in the Callerian

Betting the week, shares have changed hands in the following:—
During the week, shares have changed hands in the following:—
Durings Mines.—Alfred Consols, Carnyorth, Condurrow, Devon Great Consols,
Derie Walls, Lewis, Merilyn, North Wheal Basset, Rosewarne, South Tolgiu, South
Wheal Frances, St. Aubyn and Grylis, Stray Park and Camborne Vean, Tincroft,
Jimar Consols, Trebane, Trewetha, West Basset, West Wheal Ston, Wheal Arthur,
Wheal Buller, Wheal Kitty, Wheal Mary Ann, Wheal Trelawny, Mining Company
direland, Newtonards Mining Company, Wicklow,
Messa which have Sold Orie.—Bedford Consols, Bell and Lanarth, Brnyford Hall,
Cradon Consols, Cargoll, Carvath, Craddock Moor, East Buller, East Goldecope,
Gaston United, Great Sheba Consols, Herward United, North Wheal Robert, Rornigton, Sortridge Consols, South Cara Bres. Vale of Towy, West Polberro, West
Stridge, West Wheal Frances, Wheal Grenville, Wheal Hender, Wheal Trefusis.
Misss which have not Sold Orie.—Bodewl, Cefn Gwyn, Clowanee, Dun Raven
Gmois, Forest Wendron, Great Sortridge, Lady Bertha, Nant-ar-Nelle, South Rolett and Sortridge, West Collacombe, Wheal Surprise.

In Foreiron Mines, the market has been firm. Cobre Copper were dealt

lett and Sortridge, West Coliacombe, Wheal Surprise.

In Foreign Mines, the market has been firm. Cobre Copper were dealt is at Tuesday at 63\%; on Wednesday, several transactions were effected at 66 to 67, but were slightly weaker yesterday, as they only reached 66. In St. John del Rey, so business has been done throughout the week, and the closing price was marked to 23. The other securities of this description changing hands yesterday were—Lastanian, at 2\%; and, notwithstanding the announcement of the call of 11, per dark, Boyla Santiago, at 4. The closing price of Imperial Brazilian was 2\% to 3\%; Clarendon Consolidated Mining Company of Jamaica, \% to \% prem.; Copiapo, 18 to 20; Fortuna, \% to \% prem.; Linares, 7 to 7\% ex div.; claited Mexican, 3 to 3\%;

At the Linares Mining Company meeting, on Wednesday (Mr. James Craby in the chair), the accounts to June 30 showed.—Profit on six months' work. Light 5354, 38, 10d., and balance to same date, 21,478,68,34. A dividend of 10s. per share was declared. The report and accounts were unanimously adopted; and the proceedings, which are detailed in another column, terminated with a vote of thanks to the Chairman.

proceedings, which are detailed in another column, terminated with a vote of thanks to the Chairman.

At the New Granada Mine general special meeting, on Thursday (Mr. C. Johnson in the chair), the revenue accounts of Frontino and Solivia Mines showed cloud the color of the col

reperty consisting of 1600 acres of mineral land, and two lots at Eagle Wharf, for warhouse and stable.

The Alton Mining Association have received their mining report from Aug. 25 to Sept. 5:—At Rarras, the water is still in the bottom workings, and, owing the later almy and cold unsettled weather, it has not materially drained since the tealing and cold unsettled weather, it has not materially drained since the diste of many and cold unsettled weather, it has not materially drained since the diste of many and cold unsettled weather, it has not materially drained since the teals of the cold workings there is no change, the returns being still small.—At the lost of the lost of the cold workings there is no change, the returns being still small.—At the lost of the

Total . 8.78

The axis of the water-wheel will be put in its place this week; it would have been placed before this, but the engineman has been engaged in putting in the engine at the smelting-works for the blast-furnaces, which has caused the delay. Our surface works throughout the mine have progressed well this week. The greater part of the 20-in. lift is brought on the mines, and also the 12-in. lift.

The Lustication Mining of the progression of the progre

20-in. lift is brought on the mines, and also the 12-in. lift.

The Lusitanian Mining Company are in receipt of Capt. Thomas Chegwin's usual report on Palhal, dated Sept. 17:—The ground in Taylor's engine-shaft, sinking below the 5 fm. level, is rather harder than it has been. The lode in the 5 fm. level, east of Taylor's engine-shaft, is 1 foot wide, worth 1½ ton per fathom. The lode in the stope No. 1, west of Roye's winze, in the back of the 8 fm. level, is 2 feet wide, worth 1 ton per fathom. The lode in the stope No. 2, west of Taylor's engine-shaft, is 2 feet wide, worth 1½ ton per fathom. The lode in the stope No. 3, cast of Roye's winze, is 1½ foot wide, worth 1½ ton per fathom. The lode in the adit level east, in the eastern hill, is 2½ feet wide, worth ½ ton per fathom for lead. The lode in the still level, diving west of the river, on the same lode, is 2 in. wide, composed of flookan, &c. The lode in the middle level, on the Mill lode, is 9 in. wide, worth ½ ton per fathom.

The Pontgibaud Silver-Lead Mining Company have received a report

wide, worth \(\frac{\gamma}{\gamma} \) too per fathom.

The Pontgibaud Silver-Lead Mining Company have received a report from Capt. Rickard, dated the \(24 \) thinst. At Pranal, the men working in the 70 metre level south, on the Henri lode, have cut a large stream of water, and say that it is washing out rich stones of orc. The two stopes in the back of the 70 are still looking well. At Borbecot, the old water-wheel has been replaced by a new one. At Micohe, the new steam-engine was set to work on Friday, and all the water has already been drained from the bottom level. The building of the engine-house at John's shait would, they expected, be finished in 15 or 18 days. The stopes in cach of the mines were yielding good returns, and they expected the ore sent to surface this month would exceed any previous month. They had not weighed all the August ore, but would finish the next day. It would be—at Rosier, about 120 tons; at Barbecot, 20 tons = 140 tons.

The Liberty Mining Company, have advices from the Vaucluse Mine to

The Liberty Mining Company have advices from the Vaucluse Mine to Aug. 31. The make of gold had been 50 cgs. 3 dwts., value \$1003, working half the stamps half-time only, in consequence of the want of labour, which was still much felt; hands were, however, dropping in from harvest-work, and it was confidently expected that the entire number of stamps would very shortly be enabled to be kept in full operation day and night.

in full operation day and night.

The Waller Gold Mining Company (Virginia) correspondence has been discontinued some time, in consequence of their superintendent having had his thigh broken by an unfortunaterallway accident. He is now proceeding towards recovery, and has reported that the new works are progressing, and that the "old works at the whim-shaft proceed equally satisfactorily; the stope now reaches the depth of 20 ft. M. de Blessin will very soon commence driving westward, from which operation large quantities of very valuable ore are expected to be obtained. All other thingare progressing. I have had to erect a corn-house, there not being one on the mine; and we are proceeding to gather in the fodder." Mr. Golding concludes—"I hope, by the blessing of the Almighty, to be able to be removed home in a fortnight from this time, when I shall not fail to make up by increased diligence for the time I have unavoidably lost."

The Rocky Bar Mining Company.

this time, when I shall not fail to make up by increased diligence for the time I have unavoidably lost."

The Rocky Bar Mining Company have advices from Virginia to Aug. 13. The agent reports that "28½ tons of quartz, taken from the main drifts, have yielded 252 ozs. of amalgam, giving 138½ ozs. of retorted gold, sold for 52237, being at the rate (within a few couts) of \$50 per ton. The same good appearance of the rock continues as we go on. The rock we are diving through appeara at least as good as the last; and the rock below the level of the drifts seems even better in quality than what we have above." Mr. Satterthwaite informs us this rock is taken out 119 teet below the surface. At the 78 ft. level the rock is worth \$25 per ton. Does not this upset the theory of some of our geologists about veins of gold?

From California (Aug. 17), we learn that gold dust is scarce, as nearly all that reaches San Francisco is sent to the mint to be coined or made into bars. The shipments of gold on the last four steamer days, by both routes, was \$5,903,003. The yield of gold this year exceeds all calculation: this excess is owing to the improved modes of extraction brought into use. There are complaints of the water giving out in some localities, and a correspondent of one of the newspapers writes from the Central Mines that the diggings in his neighbourhood "are as dry as a contribution box." But not withstanding this partial and temporary misfortune, the miners are, on the whole, doing better than in any previous year. The prosperity of the country, also, generally is materially advancing.

The Gold Mining Share Market has exhibited an improvement during

tral Mines that the diggtings in his neighbourhood "are as dry as a contribution box." But notwithstanding this partial and temporary misfortane, the miners are, on the whole, doing better than in any previous year. The prosperity of the country, also, generally is materially advancing.

The Gold Mining Share Market has exhibited an improvement during the week. On Monday, business was done in Colonial Gold at %, and Nouveau Monde at %. On Tuesday, in Australian, at % to %, and yesterday, in Anglo-Californian, % to %; Colonial Gold, % to %; Great Nugret Vein, (registered), & to %; Colonial Gold, % to %; Great Nugret Vein, (registered), & to %; Quartz Rock, % to %; Waller, & to %; West Mariposa, % to %;

In Miscollaneous Shares, a very fair amount of business was transacted yesterday, the following being official quotations of the day:—Australian Agricultural, 29½; Canada, 132 to 160. It will be seen by the above, the panie in the market for Canada Land shares continues, and was accelerated yesterday by large sales, the result being a further fall of 20% on the previous day, as although business was done at the price we have named, the closing quotation was marked 140 to 150, making the fall during the week 33½ per share. Canada Government 6 per cent. Jan. and July, 111½ to 112; Crystal Palace, 2½ to 2%; Electric Telegraph, 17½ to 17%; General Serwe Steam Shipping Company, 14th, 144%, tol44; North British Australiasian, 7; Oriental Gas, 1 to 1½; Peninsular and Oriental Steam, 65; Royal Mail Steam, 75; Van Diemen's Land, 14½. The closing price of Berlin Water-Works was 2 to 1½ dist. British American Land, 69 to 61; Crystal Palace, 5 to 5½; English and Australian Copper Smedting Company, 14th 14; Metholerum and British, 30; Union of Australia, 10 to 69%; Union of London, 29%; In other securities of this description the losing prices were—Australias, 87 to 59, English, Submarine Telegraph, Serpi, ½ to %; ditto, Registered, ¾ to ½, 10; Joint-Stock Banks, hustness was active executions. The week's delivery amounted to

The bidding for the 4000 tons of coal, required by the Spanish Government at their arsenals of the Isle of San Pernando, near Cadiz, took place last week at the Spanish Consultate in London. The lowest offer was 27s. 8d. delivered on the quay, and it has been submitted to the Government at Madrid. The price is considered very low, as the freights are now at Cardiff 16s. to 17s. per ton, and they are likely to go higher, as the only cargo that can be got at Cadis is salt, which price has considerably risen, and will go still higher in the month of October, as by the end of November no more will be found ready for shipment.

The arrivals at Swansea include—from Caldera, 1812 bars of unwrought copper, 852 bags of silver and copper regulus, and 82 tous copper regulus (in bulk); from Havre, 14th bags of copper ore.

The bill for granting a charter to the Oriental Gas Company has passed the second reading of the Legislature at Calcutta.

CHECK TO SPECULATION IN FRANCE.—For some time, a number of applications have been daily addressed to the Minister of Commerce and Public Works in Paris, some for concessions, others for authorisations, implying the issue of new serip; but the Government of the Emperor, taking into consideration the extent and importance of enterprises already in hand, has determined, for the present, not to grant any new concessions or authorisations.

importance of enterprises already in hand, has determined, for the present, not to grant any new concessions or authorisations.

LEEDS, SEPT. 27.—We have to report continued activity in mining shares during the week. Shares in the Craven Moor Mining Company, which were 22s. 6d. last week, fell to lass. 6d. at the commencement of this week, but have since recovered on purchases to 21s., buyers. Pencorse Consols have fallen 10s. per abare, and close 22s. 6d. to 25s.; Yorkshire Mining Company, 8s. to 9s.

We beg to hand you the following description of the Craven Moor Mine, for the Information of your general readers:—This mine is situate in the manor of Appletree-wick, in the West Riding of the county of York, on the high ground between the Rivers Nidd and Wharfe, about four miles from Patelop Bridge, and eleven from Skipton. It is in a celebrated lead district, and is surrounded by productive lead mines. To the west are the Fan Carl, Gillhead, Stony-Nook, and other mines; to the south, the Burbill Mines; to the east, the Cockhill Mines; to the north-east, the Stony-Groven, Mervyfield, Properous, and Providence Mines; to the north-west are the Naras Knott Mines, and at the distance of about four miles are the Grassington Moor Mines, Craven Moor; and Blackhill Mines. There are a great number of veins and strings in this mine; the principal ones at present known are Craven Cross and North Rake, Craven Moor, and Blackhill Mines. There are a great number of veins and strings in this mine; the principal ones at present known are Craven Cross Vein, Rich Vein, Good String, Story-Nook, Redhill Vein, Drunken Vein, Lodge Vein, Middle Vein, South Lodge Vein, East Cross Vein, Middle Vein, South Lodge Vein, East Cross Vein, Middle Cross Vein, West Cross Vein, West Cross Vein, West Cross Vein, Buchthill Vein, Good String, Stoth Vein, York, Redhill Vein, Drunken Vein, Lodge Vein, Middle Vein, South Lodge Vein, East Cross Vein, Middle Vein, Good String, Stoth Vein, Worth, Redhill Vein, Drunken Vein, Lodge Vein, West Cross Vein,

8	LE.	AD (
Mines.	Ton	. 1	rice	per	ta	e.	Purchasers.
Nanteos and Penrhiw							_
	sold on t	he 21st	Sept	em	ber		
Newtonards	100		£15	15	0		Walker, Parker, & Co.
	Sold on						
Wheal Mary Arn							Sims, Willyams, & Co.
Herodsfoot							
Taliesin				18			J. P. Eyton.
	old on t						
Cwmystwith.	100	no satu	£16	10	001		Walker Parker & Co.
Bwlch Consols	98	********	18	5	6	******	ditto
ditto	99	*******	16	7	-		*******
	old on t				-		11110
North Wheal Trelawny							Wallen Barker & Co.
ditto	10	********	3		0		
Ticketing at the K	ing's He	ad Hot	el, H	loly	we	11, 271	th September.
Pantymwyn	10	********	£10				Newton, Keates, & Co.
Penyrhenblas	10	*******	16				
Westminster				1	0		J. P. Eyton.
Maesysafn				12	0	******	
Mineraditto			-	15	0		Walker, Parker, & Co.
Orsedd				13	0	*****	
Llanerchyraur				16	0		Newton, Keates, & Co.
Caeconroy		%		5	6		ditto
ditto	9	1	17	5	61	******	Walker, Parker, & Co.
Rhoswydol	7	74	16		6	******	ditto
Caylan			14	13	6	******	2111
ditto		*********		15	0	******	ditto

BLACK TIN.

				BL	AC.	ĸ	T	IN.			
Black tin sold											
	Tons c.	q.	10.	Pi	rice				Amo		
January 13			6		£59		6	*****		6	6-Chyandour.
February 10			6	******	57	0	0		276		0— ditto
March 10			.8	*****	57	10	0	*****	238	2	0 - ditto
April 14					56	17	6		589	0	0- ditto
28	4 (-6	*****	55	0	0		238	.0	5-Treloweth.
May 16			10	******	56	5	0		261	16	0-Chyandour.
June 13	6 8		2		57	10	0	******	369	9	6— ditto
July 18			15	******	59	2	6	******	474	17	6— ditto
			25	******	59	2	6		226	1	6-Mellanear.
August 4	3 (10	*****	61	10	0		204		0-Angarrack.
,, 7	2 4	1 2	1		61	15	0		137	8	5-Treloweth.
15	2 1	1	8	*****	61	10	0		157	16	2-Chyandour.
	7 1	1	22		63	7	6	*****	479	17	10- ditto
					-	-					
									Septer		
Mines.	Tons e				rice			n.	Amo		
Wheai Enys			19			12	6				11-Calenick.
ditto			2				0	******	100		6- ditto
ditto			15	*****	39	0	0	*****	49		11- ditto
ditto			1	******	70	0	0		276		
ditto		9 0	3		51	0	0		45		4— ditto
ditto	1	6 2	6		39	0	0		47	17	7- ditto
				d on the				temb			
Pedn-an-dreaU			4		£73	0	0	*****	£ 98		6-Bolitho.
ditto	1 10		25		69	0	0		104	5	6- ditto
ditto	0 1	2	19		60	0	0		8	0	0- ditto
ditto	1 4	5 0	16		73	0	0		91	15	5-Williams.
ditto	1 1	3 2	11		69	0	0		81	8	3- ditto
ditto	0 4	1 0	16	*****	60	0	0		12	8	6— ditto
		-	Sol	d on t	he 2	2d	Sep	temb	er.		
Wheal Trevelya	n. 3 (8	0		£71	10	0		£	_	-Bolitho.
ditto					53	0	0			_	- ditto
Wh. Kitty (St. A			9	******	68	10	0	******	406	2	9-Daubuz.
ditto		5 2			80		0	******	13	15	
		-	-	Sold			M		-	-	
Polberro	20 (0	0						61372	10	0- ditto
rotocito	20				M-00				~	.0	0 41110
			_				-	in the second second	-		

COPPER ORES. Sampled September 12, and sold at the Royal Hotel, Truro, September 27.

Mines,		Tons		P	rice		Mines.	Tons			rice
Perran St.	George	70		£3	18	6	Consolidated	37	*****	£2	
ditto	***********	67		3	18	0	Fowey Consols			11	
ditto	*************	63		2	13	0	ditto	100	*****	8	12
ditto	************			3	3	0	ditto			9	2
ditto	************			11	14	6	ditto			19	2
ditto	************			1	16	0	ditto	63	******	8	15
ditto	***********	. 51	******	3	16	6	South Caradon	67	******	8	11
ditto	*************	50		4	9	0	ditto		******	17	4
ditto	************	47	******	3	16	6	ditto	52		7	19
ditto	************	38	******	4	ii	6	ditto	51		14	9
ditto	************	20	******	i	15	6	ditto			5	4
ditto	***********	18	******	2	16	6	ditto	27			8
	nes	105	******	4	17	6	Perran United			'n	14
ditto			******	5	0	6	ditto			3	6
ditto	*************	95		6	6	0	ditto			2	7
ditto				4	7	6	ditto			2	2
ditto	************			6	14	0			******	•	6
ditto	************		*****	12	17	6	Wheal Clifford	115		- 6	6
	***************************************	40	*****	12		0				5	12
ditto	***********	38	******		2			43	*****	11	12
ditto	*************	28	*****	9	9	0	ditto	13		15	8
ditto	*********	24	*****	1	. 3	6	ditto			13	0
ditto	**********		*****	1	14	6	ditto			4	0
ditto		15	******	3	7	6	Great Crinnis		*****	10	0
	ited		******	7	16	6	ditto	31		5	3
ditto	***********	102	*****	7	2	0	ditto	11	******	20	18
ditto	**********	90	******	8	15	0	Pemb. & East Crinnis			3	15
ditto	**********	73		5	17	0	ditto	55	*****	6	3
ditto	************	54	******	11	13	6	West Crinnis			5	2
dicto	*********	53	*****	6	2	6	ditto		*****	13	14
ditto	***********	47		10	12	6	Treviskey	35			19
ditto	***********		*****	2	0	6	North Wheal Busy	22	*****	6	16
ditto	************		******	23	9	6	Wheal Ellen	13		2	10
Consolidate	ed	98	******	5	19	6	ditto	6		4	17
ditto	**********	95	******	4	5	0	East Wheal Leisure	17	******	4	1
ditto	***********	94	******	7	9	0	Wheal Jewel			5	16
ditto	*************					6	Unity Wood East	6		6	0
ditto	***********			3		6		5	*****	3	15
ditto	***********	00	******	_		40	PODUCE	0			-0

				TRO TO COURT					
Perran St. George, 601 £	2521	0	0	Pemb. & E. Crinnis	111				0
United Mines 600	3271	18	0	West Crinnis	60		461	17	0
St. Day United 571	4660	15	0	Treviskey	35	******	209		6
Consolidated 458	2443	1	6	North Wheal Busy	22	*****	150	3	0
	4342	19	0	Wheal Ellen	19	*****	61	12	0
	3526	2	6	East Wheal Leisure		*****	69	5	6
	487	6	6	Wheal Jewel		*****	58	5	0
Wheal Clifford 202	1365	7	0	Unity Wood East		******	36	3	0
Great Crinnis 120	1092	13	6	Pencorse Consols		******	18	15	0
Average Standard	3799 loney	ton	. 1	Quantity of Fine Cop £25,325 1 £146 10 0,—Avera	6 13 per, 9 0 ge P	238 to	ons 11	CM	ts.
COMPANIES BY W	-		-						
COMPANIES DI W	HO	M .		CORES WERE PU		LASE			

	Tons.		Amo	unt.		
Mines Royal Company	. 186	***********	£1177	2	2	
Vivian and Sons	693	********		1	0	
Freeman and Co	. 147	***********		3	6	
Grenfell and Sons	. 511	***********		6	6	
Crown Copper Company	. 106	*********	950		6	
Sims, Willyams, Nevill, and Co	. 449	************	2905		6	
Williams, Foster, and Co.	. 598	***********	4892	17	0	
English and Australian Company	209	*********		6	2	
Mason and Elkington	. 569		3277	7	2	
F. Bankart	. 27	**********	54		6	
F. Bankart Copper Miners' Company	. 304	************	1762	10	0	
	-		Ar 281	10	-	

Copper ores for sale on Thursday next, at Bawden's Hotel, Pool.—Mines and Parcels:—Tincroft 801—Wheal Baset 644—West Seton 522—North Pool 439—South Frances 436—East Pool 373—Condurrow 333—Wheal Setos 310—Camborne Vean and Stray Park 188—South Crofty 133—Doleoath 106—Wheal Uny 49—North Crofty 36 Grambler and St. Aubyn 15.—Total, 4385 tons.

Grambier and St. Aubyn 15.—Total, 4385 tons.

Copper ores for sale on Thursday week, at Tabb's Hotel, Redruth.—Mines and Parcels:—Wheal Buller 750—West Wheal Baset 559—Carn Brea 426—North Basset 379—Par Consols 331—Alfred Consols 308—United Mines 242—Rosewarne United 240—Halamanning 190—Great Wheal Alfred 183—Levant 197—South Creuver 125—Wh. Charlotte 120—Copper IIIIl 117—Great Onsiow Consols 117—Great South Tolgus 101—Carrannall 35—West Wheal Previdence 78—Botallack 73—Trenow Consols 57 Trethellan 53—Wheal Guskus 46—Carrack-Dhu 32—Wh. Tremspne 25—North Wh. Unity 22—Wheal Tehidy 16—St. Aubyn and Grylls 16—Wheal Virgin 15—Kenneggy 13—East Wh. Vor 11.—Total, 4918 tons.

Year.	Tons.	. 1	Prod.		Amor	int		Stan	dar	d.		re c	opp	per				opper	ŀ.
1846	 3984	***	736	***	£20,629	15	6	 £105	4	0		£68	15	0		£88		****	
847	 3926		732		19,473	11	0	 104	19	4	***	67	11	0		98		£101	Į,
848	 4506		734		20,011	15	0	 91	19	0	***	56	16	0	***	79	10		
849	 3790		750		19,554	5	6	 106	10	0		69	10	0	***	84	0		
850	 3491		8		18,518	2	0	 101	10	0		67		0		79	10		
851	 3197		7%		16,450	3	6	 101	3	0		65	19	0	***	84	0		
852	 3756		6%		28,124	11	0	 135	4	0		93	12	0	***	102	10		
853	 2938		6%		18,054			133	13	0		92	6	0		107	10		
1854	 3688		636		24,054	10	0	 143	10	0		100	19	0		126	0		

Copper ores for sale at Swansea Oct. 2.—Cobre, 72, 70, 52, 74, 53, 50, 48, 101, 64, 63, 46, 26, 81, 75, 68, 65, 61, 60, 88 —Berchaven 121, 100, 95—Chill 57, 55, 53, 51, 50—Knockmahon 56, 78, 59, 46—Ballymprtagh 67, 45—Peninsular 55, 44—Africin 3—Korth Wales 16, 13—Copispo 57, 11—Helvellyn 8, 2.—Total 2346 tons.

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Motices to Currespondents.

• Much inconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be regularly filed on receipt: it then forms an accumulating useful work of reference.

SALES OF ORES.—We are preparing our usual Statistical Returns of the Sales of Copper, Tin, and Lead Ores, for the quarter ending Sept. 30, and shall feel greatly obliged for all particulars that may be furnished. Pursers and others are reminded, that by accurate returns being forwarded to us on the termination of the quarter, the produce of their mines being properly reported will be insured, and the occasional complaints of inaccuracy avoided.

PRACTICAL MINING-THE NEWCASTLE VIEWERS.—SIR: I am constrained to address you this week, and through your Journal the public. In a long letter from Mr. Matthias Dann, Government Inspector, are found these words:—"The practical viewers of this district (Newcastle) are universally acknowledged to stand unrivalled in this kingdom, or even upon the Continent," &c. This is assuming very much, and I think is scarcely worthy the pen of Mr. Dunn, for whom, by the way, I acknowledge, in common with others, much esteem. I have seen works both underground and at surface of collieries in Wales, in Somersetsbire, and in some of the north-twestern districts that, in my opinion, dely parallel in Northumberland, where the leaf-like strata renders the extraction of coal more easy than in almost any other locality of Great Britain. It is true that the northern basin is more frightfully surcharged with fire-damp than that of any other county, but all the remining mining conditions are simple and easy indeed when compared with other coal fleids. Alas! Mr. Editor, the viewers of the North exhibit but little proof of skill in contending against this fearful danger; human life is but cheaply held in the North. In respect to the very important operation of unwatering deep mines, the county of Cornwall is half-a-century in advance of Northumberland and Durham.—A Viewers: Sept. 26.

The armser of Gold Ores,—Ser.: Fire, with lead, &c., will obtain gold from ores in which not a narticle is visible by a powerful class, but what could mercury do

TREATMENT OF GOLD ORES.—Sin: Fire, with lead, &c., will obtain gold from ores in which not a particle is visible by a powerful glass, but what could mercury do with such ores! Mr. Mitchell will confer a favour by explaining how he would eause mercury to act with such ores. It does not appear possible for mercury to take up gold unless in a palpably metallic state.—R. Byres: Dolgelly, Sept. 26.

with suon ores? Mr. Mitchell will confer a favour by explaining how he would cause mercury to act with such ores. It does not appear possible for mercury to take up gold unless in a palpably metallic state.—It. Byres: Dolgelly, Sept. 26.

Mr. Low's Patert.—Sir: When I saw the works in action at Cwinhelsian (in Mr. Baldwin's time), the plan was not identical with Mr. Low's patent, as the ore was smelted by blast in a gupola, with wood fuel.—R. Byres: Dolgelly, Sept. 27.

IROS SIOT, SHELLS, AND CANNON.—Sir: There has been a paragraph in the Times, and other papers, headed "Britten's Patent Shells," which are identical copies of of the new cannon shot and shells of mine, submitted to the Board of Ordannes in Sept. 1851, all the difference being, the iron shot or shell are first coated with zinc instead of tia; the heading and all the rest of the projectics are, form and all, precisely the same as mine. Britten's shot are said to range "1909 yards more than round shot, and that with half the usual charge of powder." So much for the official experiments at Woodwich and Shoeburyness. Nasmyth's wrought-iron guns are a failure, but it is no proof that efficient artillery of large dimensions cannot be made of wrought-iron; the fault has been too much reliance on the steam-hammer. I shad a drawing of a wrought-iron gun, prepared for exhibition to the Select Committee at Woodwich, when I went there this time last year, to show a specimen of my new shot or shell, weighing 8 ibs.; but I saw clearly that the committee would not listen favourably to any project from a divilian, so I said nothing about it, only that wrought-iron guns of any length or calibre may be made "never to curst under any charge of gunpowder," and by which means a large artillery may be converted into gigantic Minic rifles.—S. B. Rooens: Nant-y-Glo, Sept. 26.

POLAR CHANOES.—SIF Edward Belcher read two very interesting papers at the British Association, which tended to prove that large trees grew at a comparatively recent period in the lands of the Arct

concern!—V. A.: Leeds, Sept. 25.

Downow Iron One Conflay,—Sir. I am quite willing for Mr. T. C. Hinde to take all the benefit that may arise from his waspish note, in your last week's Journal, on the subject of the Duston iron ore, just, however, observing that he has thrown himself between the horns of a citiemia, with respect to the proportions of earths and oxygen in the calcined ore he experimented upon; for if the proportions of earth be reduced 6:65 per cent., the amount of oxygen will be increased in the same ratio, and the fuel required to smelt I ton of iron from such ores will remain just the same; therefore, to work up these ores in Northamptonshire, with coal at 13s. to 15s, per ton, would unavoidably end in a disappointment, unless some new method of smelting should be discovered for that special purpose, or richer samples of ore are found than those submitted for experiment to Mr. Hinde.—S. B. Rookas; Nant-y-Glo, Sept. 20.

MODIE, or A LEAD MINE AT THE CRAYAL PLACE.—Sign. I appears singular that the

ore are found than those submitted for experiment to Mr. Hinde.—S. B. Rogers: Nant-y-Glo, Sept. 26.

Model of a Lead Mink at the Crystal Palace,—Sir: It appears singular that so many people have been to the Crystal Palace, and never met with the model of the lead mine, and still more strange that the company's officials can give no information where it is to be seen. An account of the minerals, as well as the model of the lead mine, was published in the Journal of July 21. If those of your readers who wish to visit the model of the lead mine will go down to the Geological Islands, opposite to them they will find an artificial strate of the coal formation: in close proximity to this is the lead mine, and when I visited it there was an intelligent attendant, who lucidly described it.—Your own Reports.

Mannaness.—Sin: Will any one be kind enough to point out the advantage of peroxide of manganese in the proportion of the 100th part in the smelting of auriferous ores, according to Mr. Low's patent!—B. R.: Sept. 27.

Northamptonshire. Ironstone.—Sin: I notice, in your Journal of last week, a vague and almost incomprehensible letter from your correspondent, Mr. W. Elliott, of Blisworth, and am more disposed to imagine it would afford him greater pleasure to hear a few "practical observations" about "bread and slag" than any information relative to the smelting of Northamptonshire ironstone. However, giving him credit of good intentions, I briefly reply that the only beneficial method in emelting the ironstone alluded to is by itself, in suitably constructed furnace—manely, keep the throat open, the boshes moderately high, and the hearth tolerably roomy, in which opinion I am supported by that eminent and scientific person, Mr. W.

Trutan, C.E., of Marazion, Cornwall, author of the work entitled Irons Manufacture of Gerat Britain, to the perusual of which I Invite the special attention of your correspondent. Were I to reply to his other questions (some of which he is best able to answer himself), I fear you would onl

able to answer himself), I fear you would only consider it an intrusion on your valuable columns.—Thos. Lucas: Duston, Sept. 26.

BLANANON IRON AND COAL COMPANY.—Siz: A letter from Mr. Hill informs me of an error in the remarks on the subject of the Blacavon meeting, on the 19th inst., at page 608 of your last Journal—viz., "that two gentlemen (Messrs. Steel and Hill) came forward as the responsible parties, and the business of the meeting was allowed to proceed." You will, I feel sure, in your next, do me the favour to correct the error in question, when I assure you that I did not, nor to the best of my belief did Mr. Hill, come forward as responsible for anything connected with the meeting in question.—C. Wilson Street: Levisham, Sept. 27.—P.S. I may add that I knew mothing of Mr. Banks till I saw him in the room, and have not the slightest knowledge of his party, represented as Co.

Duston Iron Orde Company.—Letters on the management of this company's affairs can only appear as advertisements. The discussion would evidently assume a too personal character to be of interest to others than those immediately concerned. Thus Geskral Assurity Enonwears Association.—This association comes under the Friendly Societies' Act, passed last session; and having a capital of nearly 300,000%, are desirous of investing it, from time to time, in the most secure manner, as parties insuring with them participate in their profits. By a most extraordinary alteration made by the House of Lords in the Act, if any Friendly Society depositing money with the Commissioners for the Reduction of the National Debt, withdraws any portion of it, it is prohibited from again investing in that security. As the General Annuity Endowment Association have hitherto had a large portion of their capital invested with the Commissioners, the directors have been compelled to call a special meeting of the sharcholders, to authorise them to invest their money elsewhere, as Sic Alexander Spearman, of the National Debt Office, is of opinion that if they

the Commissioners; bul, at the same time, whatever amount remains will continue to bear the same interest.

SOUTH BOG MINE.—SIR: I hold a large number of shares in the South Bog Mine, in the county of Salop, in the list of whose directors were recently to be found the names of Messrs. Charles Fowell (firm of Powell and Cooke), C. T. Christian, and Adam Murray, F.G.S., gentlemen in whose integrity I was led to place implicit confidence, and in whose hands I have always considered my interests perfectly secure. You may, then, readily conceive the astonishment and dismay with which I received intelligence of their having suidenly sold all their shares, abandoned the trust reposed in them, and created a panle which threatened to overwhelm the adventure in frestrievable ruin. On enquiring from Mr. Joseph (the secretary) the cause of this most unexpected proceeding, I was informed that Mr. Powell, having entered largely into mining adventures in Tavistock, was desirous of confining his operations to that locality, and had determined on withdrawing from other speculations; but I was saured that there was nothing whatever wrong with the mine itself, which was in all respects as promising as it had been represented. Dissatisfied with this information, I waited for further particulars multi the quarterly mechanism, advertised to be held on the 26th inst., at which the shareholders were told that the parties had retired through a suspicion that they had been deceived by the exptain (Samuel Morrie), whose reports were considered more flattering than the real state of the mine warranted. I am not prepared to say whether the statement tendered in their defences true or other wise, as they were not present at the meeting, but being anwilling to condemn any one unheard, and feeling that some explanation is due to the shareholders, whose property has been so acriously injured, I take the liberty of calling upon those gentlemen for further information through your Journal.—Alexe, Dencan: Segil. 27.

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your Journal.—Alex. Dencan: Sept. 27.

C. W. (Hoxton).—The naphtha manufactured in England, as at Wolverhampton, where the late dreatful accident took place, is from ortificial substances. The native consists of carbon and hydrogen, is nearly colourless, occasionally yellow and transparent, and burns with a white fame, entiting much souche, giving out a penetrating edour, and leaving no residuum. It dissolves resins, but is not itself soluble either in alcohol or ether. In Persia and the Burnese dominions it is found in large quantities; they state there is in Rangoon upwards of 500 naphtha wells, which yield annually upwards of 400,000 hogsbeads. It is especially useful in the manufacture of varnish, and from its facility of drying is preferred to oil in oil pointing. It is employed in removing spots of grease from woollens and other stuffs, but the swell it emits is difficult to destroy. Near the Caspian, and elsewhere in Perds, it is generally used instead of oil in lamps; and under a variety of denominations it has become subservient to the same purposes in Europe.

Siz: Will you inform me if Capt. Wm. Martin, in reporting upon Wheal Busy, in your valuable Journal of last week, means the Great Wheal Busy United (Limited), of which I have just seen a prospectus? The same enquiry relates to some remarks by "An Old Miner" (Chacowater), and headed "Great Wheal Busy."—Z. City, Sept. 27.

City, Sept. 27.

DUSTON IMON ORE COMPANY.—Sim: I must confess that the explanation of Mr. T. Lucas appears to me but a very meagre apology for the misiortunes that have occurred to this company. If a gentleman be appointed as manage director, it must be evident to any party of common sense that to attem. to lay the blame upon subordinates is a very sorry way of excusing himself. Mr. Lacks, I contend, had the management of the company's affairs. Could it be expected that lawyers, sitting at the board as directors, understood much of brick-making ille-making, or mining? and was it unreasonable that they they scould place implicit confidence in their manager? Such a course of proceeding, I hink you agree with me, is pursued every day; and I can only add, that thousands, like myself, invest their capital in mining, depending solely upon the integrity of the manager.—An Onional Sharkholders. City, Sept. 26.

'An Old Subscriber' (Leeds).—We fear the mine alluded to is not of such great

GIMAL SHAREHOLDER: City, Sept. 26.

"An Old Subscriber" (Leeds).—We fear the mine alluded to is not of such great value as to warrant the extraordinary business that has been done in the shares throughout the week; and from the fluctuations, our correspondent may be right in assuming that a considerable amount of jobbing is going on.

COMBINED REVERDERATORY FURNACES.—A description of Mr. Addison's furnaces, as constructed at the Greenside Lead Smeiting Mills, will appear in an early Journal.

CARNARYONSHIER SLATE COMPANY.—"J. W."—We are unable to supply the information required by our correspondent, as the managers in London refuse, upon the ground that it is a private company. The meeting will be held at 5, Church-nassage, Guildhall, on Wednesday next; and if "J. W." be a shareholder, he can obtain admission.

tain admission.

A Subscriber" (Liskeard).—The transaction referred to reflects great discredit on all concerned. If the shares were subscribed for in the mine at St. Ive, the promoters had no right further to appropriate any more of the free share. The persons who subscribed have clearly a right to their scrip, such having been agreed upon at a public meeting; the self-constituted committee of management and the purser have no right to detain them. Whatever denomination the mine may receive, its being in the neighbourhood of St. Ive will be sufficient to warn those interested in mining not to embark in the speculation, unless they have a perfect knowledge of their co-adventurers and the directors of the company.

their co-adventurers and the directors of the company.

Weston Iron One Company.—The remarks of "A Shareholder" on Mr. Lucas's statement can only appear as an advertisement.

C. M. W's." (Hamburg) letter only having reached us on Friday afternoon, the ne cessary enquiries could not be made in time for our present Journal, but his questions shall be attended to, and probably replied to in our next. He is requested to remit by draft on a house in London. The yearly subscription is 11. 6s.

remit by draft on a house in London. The yearly subscription is 11, 58, and remains the complaints that this mine has been greatly mismanaged. The writer states that, when Mr. Absolom Bennet took up the mine, in 1851, a dividend was declared, in order to enhance the value of the shares; he complaints that the reports which have lately appeared in our Journal are meagre and brief, affording no information to the shareholders; and, further, recommends that the proprietary should look to their own affairs, or appoint some competent agent in whom they can place confidence. There are only 39 men at work, where 309 should be employed. He avers that, if properly managed, monthly samplings should now be made; and, after entering into several local and practical details, urges the necessity of a reform in the present system of management.

In the present system of management.

Hostron Down Cossols.—By strange inadvertence, it was stated in last week

Journal that a call was made at the Hingston Down Mine meeting, instead of

dicidend being declared.

Journal that a call was made at the Hingston Down Mine meeting, instead of a dicidend being declared.

ASTURIAN MINING COMPANY.—SIR: I know not whether Mr. Mackenzie has yet returned from his trip to Paris, where his friend, "Juititia," states he is at present sojourning. The shareholders should call on Mr. Samuel Amory and Mr. William Campbell Gilian, the trustees: the former gentlemen has offices in Throgmorton-street; the latter has, or had, chambers in Lincoln's Inn-fields. This last gentle man ought especially to render us justice: at the time the company was first projected, he was very artive in its formation, and no doubt reaped the reward of merit them. Subsequently, we heard nothing of him, until Mr. Moore and the liquidator-made a str: he then gullantly threw himself in the breach, whether for a consideration or not remains to be seen when the accounts are examined, and which it is now high time should be looked to. This I do know, that when the trustees were appointed, he volunteered to make the arrangements with Senor de Grimaldi, in conjunction with his borther trustees, for which he not only received a vote of thanks, but something more substantial, in a vote of a considerable sum of money out of our exhausted and shrinking capital. Whenever a division—we will not say of profits, but where something has been divisible—took place, there we found Mr. William Campbell Gillan. As something may yet be saved from the wreek, ir fairness, he ought to assist the shareholders in their present dilemma: if anything is to be got from Senor de Grimaldi, either for the proprietary or himself, past experience tells us he is there the right man in the right place.—Name: Sept. 27. Mr. David Mushet, on the Blacanvon Iron and Coal Company; Mr. A. H. Patterson on Mine Dialling; on Mining Speculations in America; Reasons why Railway, should Pay; Does Coal Exist near London? and several other papers, are unavoidably postponed.

For the accommodation of our City correspondents, communications or reports may be left at Messrs, HANCOCK and SHARP'S, No. 20, Tokenhouse-yard, where there is a box to receive them; but in all instances it will be preferred that they be sent direct to the

THE MINING JOURNAI Railman and Commercial Gagette.

LONDON, SEPTEMBER 29, 1855.

The reports of the six Inspectors of Coal Mines, for the year 1854, to Her Majesty's Secretary of State, presented to both Houses of Parliament by her command, has been just published, and present on the whole very conflicting results as to the increase or diminution of casualties. While Mr. MATTHIAS DUNN, in his retrospect of the first half of the last year, seems to consider the diminished number of aggregate deaths by accident, notwithstanding the progressive increased production of coals, a proof of the successful working of the late Mines Inspection Act in his district, which comprises the counties of Durham, Northumberland, and Cumberland, he admits in his report for the last half-year of the period, that the account he then furnishes does not exhibit a material disjunction of the account he then furnishes does not exhibit a material diminution of the aggregate amount of fatal cases. Mr. Dickinson, in his report of the working of the Coal Mines Inspection Act in the Laneashire, Cheshire, and North Wales district for the first half-year, regrets an increase in accidents, and in killed, as compared with the corresponding months of the previous year. By his report of the second half-year, as contrasted with the same months of 1853, it would appear that fatal cases had increased but that the increase was mainly in these accidents, which are most within but that the increase was mainly in those accidents which are most within the managers' control, while there is a diminution in those which almos entiroly depend upon the workmen, from which he draws this fair as sumption, "that the men are becoming more careful than their masters." entirely depend upon the volume of the first period of 1854—which portion the report alone comprises—with respect to the counties of York, Derby, Nottingham, Leicester, and Warwick, states that "it is satisfactory to observe a gradual diminution of fatal casualties, notwithstanding the increase that has lately taken place in the working pits and miners employed." The report of Mr. WILLIAMS, for Scotland, for the year 1854, shows that during the year there has been an increase of deaths from all causes, and that nearly all that number come under the head "miscellaneous." Mr. during the year there has been an increase of deaths from all causes, and that nearly all that number come under the head "miscellaneous." Mr. WYNNE's report for the first half-year, with respect to the counties of Stafford, Worcester, and Salop, states that explosions of fire-damp have not been frequent nor particularly fatal, only 15 lives having been lost; "but this," he observes, "is more owing to the absence of earburetted hydrogen gas than to any particular care that is taken to provide against its presence." He further reports that deaths caused by the fall of each He further reports that deaths caused by the fall of coa and roofs amount to the fearful number of 73, and "will continue numerous so long as the present system of getting the thick coal prevails." In his report of the last half-year of 1854, he, however, states that "it is no his report of the last half-year of 1854, he, however, states that "it is no slight satisfaction to note the sensible decrease in the number of accidents and consequent loss of life." By an unaccountable arrangement, the report of Mr. Herbert Mackworth for the latter part of the year is made to procede the report for the first half, necessarily tending to create confusion, an error with which a gentleman of Mr. Mackworth's known accuracy cannot possibly be chargeable, but which we must attribute to official carelessness. Although the number of accidents in the southern districts for the early version everywhere the verset with the present of the contract. districts for the early period corresponded exactly with the average of the last three years, the number of deaths was less in the proportion of 62 to 85, while in his second report Mr. Mackworth regrets that he was unable to repeat the favourable statement which he had made respecting the

number of accidents in the first half-year of 1854.

So far, therefore, as the sacrifice of human life is involved, this serie of reports does not furnish much ground for congratulation. It must however, be borne in mind that the collieries of Great Britain were neve so extensively worked as during the period they comprise. However casualties may appear to vary in the several districts, Mr. Dunn has published in his report a satisfactory table of the results of the preceding six half-years, which shows that during the three first half-years the deaths from explosions amounted to one in three in the aggregate, while in the latter the proportion has diminished to one in nine, and in the half-year ending June 30, 1854, the loss by explosions was only one in fourteen ending June 30, 1854, the loss by explosions was only one in fourteen The aggregate deaths, notwithstanding the progressively increasing pro-

diceisor of chalk, was 27 per cent, in the first half-year of 1854, within the actomic was in important district, below the average of the last six half-year, which favourable stade he did age so much attribute to the actual neaperion as to the actually influence produced by the cristence of the law, and to the general feeling of improvement which prevailed. In submitting a operal for the control of the cristence of the law, and to the general feeling of improvement which prevailed. In submitting a operal flower on explosions, he expresses an opinion that the appointment of actual the control of the control of the appointment of the control of the control of the appointment of a control of the control

with that provision, if due attention be paid to the regulations now so judiciously presented to the public.

We have in another part of our present Journal referred to the statistical information supplied by Mr. WILLIAMS, and which furnished some of the materials for a very valuable paper read before the British Association, at Glasgow. We receive with satisfation his acknowledgment in the present report, that of late years the improvement in Scotland in colliery ongineering has been very marked in every department of science, ventilation, machinery, underground conveyance, and general arrangement: upwards of nine-tenths of the working pits are now fitted with guides and cages, although twenty years ago there were very few pits so provided. This is particularly alluded to, as no other improvement has so much contributed to the general safety of pitwork as the introduction of the eage, with perpendicular guides to prevent oscillation; and while the use of guides and cages is now nearly universal, covered cages and safety apparatus are also in use at many of the better conducted collicries.

As coal is the main stay of the trade of South Staffordshire, Mr. Wynne naturally complains that 37 lives lost in six months by shaft accidents reflect but little credit on the owners of mines and collicries within that district. While no other district exhibits so melancholy a list of human sacrifices, it appears that less care is employed to ensure safety and prevent life then in any other. List mell because the Mr. Wynne to be

flect but little credit on the owners of mines and collieries within that district. While no other district exhibits so melancholy a list of human sacrifices, it appears that less care is employed to ensure safety and preserve life than in any other. It is well observed by Mr. WYNNE to be within the power of man to case the shafts with bricks and mortar, to put conductors in the shafts, and cover the cages the men descend in—to us ropes instead of single link chains, and have proper pit frames to fence shafts when worked out, and to fence by night those that are only used in the day. "If," he observes, "these and such like precautions were taken, I confidently assert the deaths in shafts in my district would be much nearer 7 than 37." Mr. WYNNE states his concurrence with Mr. Dickinson as to the cause of the last melancholy catastrophe at Ince Hall—that it arose from too keen a desire on the part of the manager to introduce the northern system of working into Lancashire, without having a thorough knowledge of its practical effect on the ventilation of the mine. A system well adapted, no doubt, for the flat scams of Northumberland and Durham may be highly dangerous in a mine that dips nearly 6 in. in the yard, as is the case with the mines at Ince Hall.

The careful readers of this Journal cannot be strangers to the meritorious and indefatigable exertions of Mr. Herbert Mackworth, and to his philanthropic efforts to improve the social and educational condition of the mining population of England. To his present reports we are indebted for the fact that an example is afforded in Belgium of the extent to which one class of accidents, those arising from fire-damp, may be reduced by efficient legislation, where the proportion of accidents to the number of workmen employed was diminished in five years by more than one-half, al-

mining population of England. To his present reports when which for the fact that an example is afforded in Belgium of the extent to which one class of accidents, those arising from fire-damp, may be reduced by efficient legislation, where the proportion of accidents to the number of workmen employed was diminished in five years by more than one-half, although the difficulties of mining were increased by reason of the greater depth and extent of the mines. As falls of roofs and coal constitute so large a proportion of the total number of accidents, Mr. Mackworm naturally expected that they would occupy a chief place in any amendments of a future inspection bill; we fear, however, that in this respect he will find himself disappointed by the Act of the last session. Mr. Mackworm, in his reports, exhibits very refined and scientific knowledge, acquired by extensive study and careful observation, both at home and abroad, and possesses all the qualifications for introducing judicious reforms into the existing system of coal mining in Great Britain. His prior publications were devoted to the educational improvement of the mining classes, and in his present report he impresses with the weight of official authority the importance of the subject on the Members of the Government. In appendix No. 3 to his earlier report will be found some interesting communications with respect to the formation of a Mining School at Bristonan institution which it is the aim of Mr. Mackworm to establish, and in which highly-desirable object he is sustained by a committee of the coalmanters of the district. In appendix No. 2 to his last report, Mr. Mackworm has also submitted to the Government and to the public very elaborate and well-considered rules for the general regulation of collieries, which has been previously under the consideration of the deputies from the coal mining interests of England when they assembled in London in May, 1854. The suggestions of Mr. Mackworm will, of course, receive, as they deserve, every attention in the f

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particular coal mines; and the reports which we have thus briefly introduced to public notice, with the varied and valuable recommendations which they contain, have appeared at a very opportune period, when the colliery proprietors of Great Britain have an imperative duty imposed upon them by the recent Act now coming into operation, of providing by proper rules for the due regulation and management of their coal mines, and of the persons whom they severally employ in connection with them.

The report of Mr. H. SEYMOUR TREMENHEERE, the Commissioner appointed under the 5th and 6th Vict., c. 99, to enquire into the state of the population of the mining districts, 1855, has appeared simultaneously with the reports of the Inspectors of Coal Mines. It has also been presented to both Houses of Parliament, by command of Her Majery; and although, as compared with the other public document which we have fully noticed, it is but a brief publication, it is still replete with interesting matter. It commences with an announcement that, under the sanction of the present Premier, Viscount Palmerston, when Secretary of State for the Home Department, Mr. Trementers had occasion to engage the usual professional assistance, in order, if possible, to check the employment of females in the collieries of certain parts of South Wales, the recurrence of which practice, in portions of those districts, we regret to learn, had been frequent and obstinate. Statements to that effect had been received from magistrates, and from other unexcentionable sources, amply sufficient to justify pointed under the 5th and 6th Vict., c. 99, to enquire into the state of the and obstinate. Statements to that effect had been received from magistrates, and from other unexceptionable sources, amply sufficient to justify the adoption of legal means to suppress so unmanly and disgraceful a practice; but, although evidence sufficient to justify prosecutions had not been obtained, the enquiries, by awakening the fears of those who had violated the law, have had for the time the desired effect. We lament, however, to learn that females have become so degraded as to work in men's clothes, for the purpose of avoiding detection; but the proprietors and their agents must be conscious that they are the only persons who can interfere with permanent effect, and that not only the law, but the sensibilities of human nature are violated by the permission of this practice in the collieries over which they have control.

The violation of the law, in the employment of boys under 10 years of age underground, is, we lament to observe, according to the report, be-

permanent effect, and that not only the law, but the sensibilities of human nature are violated by the permission of this practice in the collieries over which they have control.

The violation of the law, in the employment of boys under 10 years of age underground, is, we lament to observe, according to the report, becoming much more general, the localities in which they are so engaged to the greatest extent being South Wales, Staffordshire, and Yorkshire. It would appear that neither the exposure nor the payment of fines had any but a temporary effect on the persons who fell under the sentence of the law for its unfeeling infringements in this respect, nor on those around them who were equally engaged in violating it, whenever they thought they could do so with impunity. The frequent and generally unreasonable strikes among the colliers; the habit, almost universal among them, of working less the higher the wages are; the common sacrifice of their children's best interests, to procure themselves more means of self-indulgence; and the difficulty, according to Mr. Trensknerger, of finding in the mining districts educated individuals to fill appointments of trust, are, in his opinion, patent facts, equally productive of a large annual amount of national loss, as they are a standing discredit on our civilisation. Mr. Trensknerger status his assertions by the experience of 15 years in investigating the condition of those districts, and also by much personal communication with nearly all the principal persona engaged in them in the employment of mining labour. We only give expression to the opinions of an official functionary, while we freely admit—and, indeed, have never failed to impress upon those invested with authority—that there is much room for educational improvement in our mining population.

Mr. Trensknerger refers to the continued success of the prize of the year 153-45 amounted to 619, of whom 36 were boys, and 214 girls; and it will be conceded that many beneficial results must follow from the extensio

them to other occupations.

them to other occupations.

It has long been a subject of complaint with those who have invested their capital in mining stock, that when required it is so difficult to realise it; and even then when it can be sold it becomes a matter of negociation, and the prices which are quoted cannot be relied upon. The dealers in mining shares, it seems, have each their favourite mines; in these they trade, but if asked to do transactions in any other stock than their own they generally profess to know nothing about it—in fact, if a person wishes to dispose of any shares he may hold, in many cases; instead of a price being offered, the enquiry is what is the amount required for the shares. The consequence of this system is, that many who would embark in mining enterprise are deterred, from the knowledge that the shares they purchase, in case of necessity, they are not able to realise unless at a great sacrifice, and in many cases not at all.

At the period when the Mining Exchange was formed, a correspondent, Mr. Tromas Hanvey, forwarded a communication to us, which was published in the Mining Journal of June 9: in this he stated as his opinion that the two essential elements wanting were a consolidated stock, and the class which is known on the Stock Exchange as jobbers. His proposal was to consolidate the entire capital of 20 or 30 of the best dividend-paying mines, and, his plancarried out, "mining property would become as valuable as Consols, and subject to no greater fluctuations or changes." There is no doubt but that the question is beset with great difficulties, good mines are often neglected, while those of a dubious character, and still more doubtful management, often find individuals who are eager to purchase their worthless scrip. A reform is much needed, and although the Mining Exchange, probably, may not have effected so much good as was anticipated from it, yet, nevertheless, all must agree that it was a step in the right direction. On reference to our advertising columns, it will be seen that a company is

set forth in the advertisement referred to, yet there are many of them which are worthy of notice. The undertaking is of a novel character, and there is no doubt that, if the company be placed on a working footing, several modifications will be found necessary. However, time and experience will show when and how they are to be applied. Great discredit has been thrown on mining by many parties who have been connected with it; and we must say that there is not one class who have been alone to blame: agents, brokers, and promoters have all subscribed their quota to the general stigms which has impeded the successful development of mineral enterprise, and thrown on one of the greatest industries of the country undeserved and unmerited represent. Although, possibly, not perfect in their workings, there can be no opinion but that companies of this nature will do a great deal of good; they will keep all on the alert, and render no small benefit, if they only infuse a little more correct information, and honesty of purpose, than is now generally practised.

Our last Journal contained a brief but highly interesting review of some of the leading papers read before the practical sections of the British Association, at Glasgow, on subjects immediately connected with metallurgy, arts, and manufactures. In proceeding to resume the same line of instructive enquiry, we must, in the first instance, notice an important essay, by Dr. Strang, "On the Progress, Extent, and Value of the Coal and Iron Trade of the West of Scotland," the details of which illustrate the rapid and progressive advance of that branch of our national industries. Coal had been from a comparatively remote period wrought around Glasgow, chiefly for domestic uses; but it has only been since the introduction and extensive use of the steam-engine, and more particularly since the discovery of the easy and economical mode of smelting iron by the hot-blast, that the vast and closely packed mineral wealth of its neighbouring districts has been fairly developed, or rendered highly remunerative. Even so recently as the year 1831 the quantity of coals brought to Glasgow only amounted to 500,000 tons, forming even within that period a strong contrast with the present vast consumption. It appeared by the returns supplied by Mr. Williams, the Government Inspector of Mines for Scotland, that in the year 1834 there were 367 collieries at work in Scotland, of which 237 belonged to the west country, 171 being in Lanarkshire, 78 in Ayrshire, 11 in Dumbarton, and 7 in Renfrew.

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The same returns show that during that year there were 7,448,000 tons of coal raised in Scotland, of which quantity 6,448,000 tons were raised from pits situated in the above-named flow western counties. When we take into our calculations all the different varieties of coals raised, including splint, soft, and gas, the average price of which may be fairly estimated at 7.s. 6d. per ton, the produce derived from the coal mines of the west of Scotland in the year 1851 may be safely valued at 2,418,000.

Of the quantity of coal thus produced, it appears that 2,152,800 tons were consumed in the manufacture of pig-iron, 367,200 tons in the conversion of pig into malicable iron, making altogether 2,520,000 tons employed in connection with the manufacture of pig-iron, 367,200 tons in the conversion of pig into malicable iron, making altogether 2,520,000 tons employed in connection with the manufacture of pig-iron, 367,200 tons in the conversion of pig into malicable iron, making altogether 2,520,000 tons employed in connection with the manufacture of pig-iron, 367,200 tons in the conversion of pig into melacular and an accordance of the connection of t

proof of its hardness, it was remarked that a tool which will bore from

proof of its hardness, it was remarked that a tool which will bere from 12 to 15 in. in ordinary granite without requiring to be sharpened, will in this rock only bore 2½ inches.

The great expense incurred in boring, blasting, and quarrying a hard rock of this description, where the blocks were required in large quantities, the tediousness of the process, and the shattered state and angular form in which the rock was displaced by the ordinary method of blasting, induced Mr. Six to adopt the Dover cliff system, and accordingly a blast, on a large scale, was prepared and fired in the month of September, 1852, with such results as to lead him to continue that plan ever since. He had up to the present period fired ten blasts on that principle, varying in poposition, and with charges of gunpowder of from 1500 to 6000 lbs. His experience had enabled him to divest the process of much of the intricacy which had been attendant upon the blast at Dower cliffs, and considerably to simplify the operation; he, therefore, presented a brief outline of the results, in the hope that it might tend to the general progress and improvement of this department of mechanical science. The details of his calculation for blast No. 8, being one with zig-zag mines, of which he submitted the plan, were as follows:—The mass of rock to be displaced was 33 feet in length to the square of the mines by 50 feet in thicknes in from the face, and 70 feet in height, and it was supposed that the gunpowder would force its way lengthways another 17 feet. The mass way, therefore, computed at 50 × 50 × 70—5500 cubic yards, equal to 12,000 tons in weight. To displace this with the ordinary proportion of 1 lb. of gunpowder to every 3 tons of rock it would have required 40 barrels, or 4000 lbs., of gunpowder; but on account of the regular form or lie of the rock, it was resolved to reduce the ordinary proportion of gunpowder to half the usual quantity: only 20 barrels, or 2000 lbs., were accordingly used, and with this reduced charge the blast was perfectly

neral rule, the maximum and minimum charges above mentioned may safely adopted.

In the discussion which followed, Mr. Sim was highly complimented on his excellent paper, by Mr. FAIRBAIRN, Dr. ROBINSON, and other distinguished members of the Association. The subject is of peculiar interest at the present moment, for, if the anticipations of the public are destined to be realised, the efficiency of the new system of blasting may be speedily tested, in razing and levelling with the ground the large masses of stone, bound with iron, which compose the docks and fortification set Sebastopol.

All who are concerned in mining adventure in California must remember that, last year, there was a great drought in that country. It not only affected mining interests, but agriculture and commerce were likewise materially injured: trade was so much shaken, that several eminent banking houses of San Francisco were forced to suspend their payments; and from that collapse the mercantile community received a blow from which they have even now scarcely recovered; and this was attributed by all parties to what, according to the local journals, was technically termed a "water famine." It is not to be anticipated that this want of the necessary element will be continuous: the climate is now known to be so variable, that in some seasons the inundations, from a too plentiful supply, have been equally as injurious as the drought of last year.

In about six weeks from this time the rains will begin to fall, and the gold mining companies will then have, for some considerable period, a continuous supply of water. Our American cousins will, no doubt, at the first opportunity avail themselves of this; and by Christmas we shall hear that the placer diggings are in full operation, and giving good results. The old-established American Californian mining companies will, likewise, resume their activity; and the returns of gold will increase with the means of obtaining it.

The great error committed by the English gold mining companies was, that they went hap-hazard to work, without any knowledge of the enterprise in which they were about to embark. Inexperienced superintendents were dispatched to the mines; the directors at home had no knowledge of mining; in many instances they were led away by the representations of American adventurers, and lent their names to that which, in too many cases, has proved a delusion; the public, with that gullibility and cupidity which generally guides their conduct, eagerly subscribed for the scrip; the speculative outsiders had an interest in puffing it, this being a standing rule of theirs—never

shares of all those that remained were considerably depreciated; and in this state they remain at present.

We will not pursue these companies through all their various phases; we do not wish to go into a recital of the losses and the misories they have caused, not only here, but in the provinces. The destruction they have spread has been far and wide, and it will be some considerable period before public confidence will be again restored in these enterprises. We have heard of shares on which the full amount has been paid by small holders—by those who have invested their savings in them, who have been sacrificed, owing to a combination of knavery, ignorance, mismanagement, and incompetency. At a ruinous loss, in some cases a little has been obtained; but in the majority of instances nothing has been saved from the wreck.

has been obtained; but in the majority of instances nothing has been saved from the wreck.

Fortunately, there are exceptions to the rule; and it is to these companies we would particularly address ourselves. They have always borno a fair credit with the public; a power of crushing has been shown, but this has not been constant, owing to the deficiency of the supply of water. In the mean time, the expenses of the staff have been the same, whether at work or play. All practical men must know this to be ruinous. What we would impress upon them is that, while they are in funds, instead of declaring dividends, if such be in their power, they should endeavour, either by artificial means or by arrangements with the several water companies, to obtain such a quantity of that necessary element that, for the future, they would not be dependent on the seasons. The necessity of obtaining a water supply, as well as the character of the mines, was pointed out some years since to one of our most eminent engineers, who had the central of one of the supposed accredited mining adventures in California. The advice then tendered was totally disregarded, although the party offering it was possessed of considerable local knowledge and mining experience in the country. To this peculiar case we will not further allude, but merely state that a large amount of British capital, under what was then thought to be the best auspices, was totally lost; and it is difficult at present to say whether the blame rests with the directors or with the superintendents.

Prespectures have here insued in London of two water companies saved from the wreck.

with the superintendents.

Prospectuses have been issued, in London, of two water companies—
the Sierra Nevada, and the Nevada County. In America, the name of
the water companies is "legion." But little is known of those projected
in London: we shall further enquire into their merits. In the mean
while, we must reiterate that, if our English gold mining companies are
to be successful, they must always have the command of water power.

Application of the "Hirudine" to Furnace Blast.—In last week's more doubtful management, often find individuals who are eager to purchase their worthless scrip. A reform is much noeded, and although the Mining Exchange, probably, may not have effected some unity of the propose to act is to purchase shares in dividend-paying mines, or those approaching that postition; to avoid all young and specularity of the mines; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms in the mining districts, to keep the short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms; to lend each for short periods at 10 per cent. on good shares and safe terms in the mining districts, to keep the short periods at 10 per cent. on good shares and safe terms in the mining d

IRON AND COAL TRADES OF YORKSHIRE AND DERBYSHIRE.

SEPT. 27.-Whatever may be decided upon at the preliminary meeting of ironmasters, held this week, there is little doubt about the reasonableness of an advance of 40s. per ton, which appears to be warranted by the demand, as well as by the high price of pig-iron and coal, and the high rate of wages in every branch of the manufacture. Rails, bars, hoops, and plates are in very extensive demand, and, in consequence, additional furnaces are being put into operation. The only branch of the trade that does not exhibit so prosperous a condition is that of sheets, which description of iron is somewhat dull of sale. The works in Yorkshire and Derbyshire are fully employed, and although they will not derive the benefit of any advance for several weeks, in consequence of having considerable orders on their books at old prices, they will, eventually, be benefited by the recent advances. There is less demand for rolling stock on railways than was experienced last year, but this is more than compensated by the the recent advances. There is less demand for rolling slock of railways than was experienced last year, but this is more than compensated by the demand which has set in from America, and the northern European states. The fluctuations in Scoth pig-iron have been considerable since the advance of the rate of discount by the Bank of England, and nothing but a steady legitimate demand has prevented a rapid decline in the value of this article, which quickly rallied from its temporary depression. The Shefield trades evince but a slight appearance of amendment; there is, however, every prospect of a speedy termination of the long depression, as America must become a purchaser of Sheffield wares to a considerable extent. The prohibition of export to the north of Europe has been removed from all descriptions of iron, excepting plates, and iron suitable for rivets. The policy of this measure appears very questionable, as Belgium will, no doubt, supply Russia with all she may require. The papears were now filled with early pretions about weauthtising guest and Mr. are now filled with crude notions about wrought-iron guns; and Mr. Nasmyth has shown his ignorance of the structure of large masses of forged iron, in a remarkable manner. There is no doubt the employment of rolled plates would obviate the difficulty in which Mr. Nasmyth has become involved, and that guns of any calibre might thus be made. What is to prevent plates being rolled to a semi-circular form, then placed on the edges, and the edges united and kent in this places by a trong reconstitution. dges, and the edges united and kept in their places by strong wrought-hoops, and then bored to the required size : ad mining in the Peak of Derbyshire appears to be going on success-

fully. The modus operandi of the Eyam Company consists of a great effort to drive a water lovel from Stoney Middleton, through Eyam, to the mines on Eyam Edge, of ancient and great repute; but at present, and until reached by the level, not to be worked on account of an accumulation of water. The level is completed to a distance exceeding two-thirds of the whole length; and within the last few days, as has frequently been the case in the driving of the level, a great deposit of ore has been discovered, and in this instance, bears indications of continuance. The other feature in the operations of this company is to be seen at their mine, called the Dusty Pit, a little out of the village, by the wayside, leading to Castleton, Bradwell, and Tidswell, where a small steam-engine, of some 8 or 10-horse power, has enabled them to get a convene was this of over the doubt. Bradwell, and Tulswell, where a small steam-engine, of some 8 or 10-horse power, has enabled them to get enormous quantities of ore at a depth of 52 fms., and from which principally their great dividends hitherto have been paid. Although the attempt of the company to smelt their own ores will retard their dividend, this being an operation requiring considerable expense and time, we have no doubt, from the present state of the workings, that the mines will be fully maintained in a dividend state.

The Midland Mining Company, at Ashover, have put down an engine, in order more fully to develop the resources of their property.

THE IRON AND METAL TRADES OF SOUTH STAFFORDSHIRE [FROM OUR CORRESPONDENT IN BIRMINGHAM.]

SEPT. 27.—The preliminary meeting of the ironmasters was held to day, at Mr. Bolton's, Hansworth, and was very numerously attended, Philip Williams, Esq., in the chair. The question of price being the only one for consideration, it was introduced by the Chairman, and discussed. By some it was held that the state of the order-books, the daily increasing demand for France, and the favourable turn of the war in the East, fully justified an advance of 40s, per ton upon bars, and a corresponding advance upon all other descriptions of iron. On the other hand, the uncertainty of the French market, arising from the defective harvest in that country, the recent advances of discount by the Bank of England, the pressure in the money market generally, and the impropriety of pressing heavily upon that numerous class of persons called small manufacturers, were all urged as motives for moderation; and it was eventually resolved, after a sharp struggle, that the advance should not exceed 20s, per ton Quotations for the ensuing quarter may, therefore, atand thus:—Bar iron, 10t. per ton; hoops, 11t.; and sheets 12t. Pig-iron is selling at from 4t. 10s, to 5t. per ton; and if it can be taken as an indication of the state of the trade, I may state that 4t. 12s. has been paid in advance for best hot-blast. There is a considerable scarcity of ironstone in the district, and the difficulty of obtaining it from a distance is, of course, so materially enhanced by the cost of carriage as to render it almost impossible for our makers to avail themselves of foreign mine, and they are obliged to use a considerable quantity of rather inferior quality from cussed. By some it was held that the state of the order-books, the daily obliged to use a considerable quantity of rather inferior quality from Northa apton. The yield of the new mines in the north side of Stafford-shire is, however, fast increasing, and the quality is reported sound and table. On the whole, the trade may be reported in a healthy state, undersellers have found their level; and in nothing, perhaps, has been more manifest than in their failure to induce the trade to advance the price 40s. per ton, which they know could not be maintained, and which they desired from no other motive than to afford them an opportunity of carrying out their usual system of underselling. Nor have we reason to apprehend any more commercial embarrassments. We have, it is hoped, seen the worst in that direction, and unless the Bank screw is put on beyond endurance, we may look forward to a sound winter's trade. If, however, discounts are pushed much further, a reaction will become inevitable.

e inevitable.
directors of the Dudley and West Bromwich Bank, and the creof Messrs. Davis, and the other masters who failed during the past quarter, are endeavouring to adjust matters, so as to render the property as productive as possible for the general creditors. At a recent meeting of the creditors of Messrs. Davies, Mr. S. H. Blackwell in the chair, it was reported that the committee had recommended that the bank should was reported that the committee has recommended that the bank abound take the Crookhay Iron-Works, furnaces, &c., at the sum of 35,000/., Messrs. Davies to be allowed to occupy the furnaces as tenants, the iron-works to be discontinued, and given up to the bank as mortgages. At the time of the failure, the bank held a large quantity of pig-iron, as a guarantee, for which they are to account, and give up the leases they hold of the Nechells Collieries, and come in as ordinary creditors for whatever balance may be due. The report sets forth an accurate statement of the safairs of the satar, which certainly exhibits it as having been a formid affairs of the estate, which certainly exhibits it as having been a formidadairs of the estate, which certainly exhibits it as having oven a formulable commercial embarrassment, and one well calculated to shake the credit of the district. The amount of unsecured debts is 187,341/. 16s. 3d. The proposed dividend upon unsecured debts is as follows:—10s. in the pound, payable at 2s. 6d. at the end of 6 months, 1s. 6d. at 18 months, the same sum at 30 and 42 months, and 3s. at the end of 54 months. The whole of the works to be carried on under inspection, pending the payment of this divide. ment of this dividend.

ment of this dividend.

The affairs of Mr. Joseph Spencer, of Bilston, have passed through another phase this week in the Bankruptey Court, when the following returns were presented in his balance-sheet:—Sundry creditors unsecured, 14,6724. 3s. 7d.; creditors holding securities, 88611. 10s. 7d.: liabilities, 24,7491. 3s.—Assets: good debts, 32501. 5s.; doubtful, 10891. 0s. 4d.; properties available for the assignees, 40191. 13s. 1d.; properties in the hands of the creditors holding securities, 13,1001.; deduct securities, 88611. 10s. 7d.—balance in favour of assignees, 42381. 9s. 5d., leaving to be carried forward as a deficiency, 20741. 15s. 9d., irrespective of the above liabilities of 24,7491. 3s. above liabilities of 24,7491. 3s

above liabilities of 24,7494. 3s.

Turning to a more agreeable subject, in connection with the district, 1 may not inappropriately notice the recent report of the School Inspector, relative to the progress now being made in the education of the children of the miners. In years gone by there was not in England, with the exception of the unfortunate factory children, a more neglected race of human beings than the children of the poor colliers in this and the other mining localities. A great change, however, has taken place, and owing to the humane exertions of Mesers. Bagnalls, Williams, and the late Mr.

a rate of from 50 to 60 miles per hour, though the machinery only moves at from 100 to 200 feet in the minute; and thus the inventor alleges that and the numbers now receiving education in them, and the progress they ments and piles are to be of solid masonry, joined with the best known the largest amount of work is accomplished with the least possible amount of strain, friction, or vibration.

The abutture of the solid in the construction will not be uninteresting. The abutture of the progress they ments and piles are to be of solid masonry, joined with the best known the laudable undertaking. It appears that, in 1851, the iron and coal masters established. Thorneycroft, and others, very valuable schools have been established; and the numbers now receiving education in them, and the progress they are making, reflects the highest credit on all concerned in the laudable undertaking. It appears that, in 1851, the iron and coal masters established a prize scheme in their schools, which has been productive of the best results. Not less than 619, of whom 365 were boys and 214 girls, were examined in the Staffordshire schools alone. It is, however, deeply to be regretted that the necessities of the parents should often compol them to remove the children from school before they acquire sufficient education; and it may also be added with regret, that much more is often spent on gross irregularities by the parents than they can hope to receive from the earnings of their children at the ages of from eight to ten years. The schoolmaster, however, is abroad, and a new race will shortly appear choolmaster, however, is abroad, and a new race will shortly appear

> In connection with the General Metal Trade there is little to report. Copper remains firm, but not likely to advance in price, notwithstanding all the prodictions to the contrary, The Tin market is also quiet, and if the currency men here are to be credited, the Bank of England will soon beat down all prices. One thing, however, is quite certain, the manufacturers in many branches, which it would be imprudent to mention, certainly complain bitterly of reduced profits.

> Mr. John Morrison, of Birmingham, has during the past week specified (through Mr. George Shaw) his patent for improvements in the maeture of metallic pens :-

This invention relates to that stage of the manufacture of metallic pens at which the grindings near the point and on the back of a metallic pen, called the "straight and cross grindings," are effected. The grindings are usually effected upon the pen when it is in a nearly finished state—that is, after the sheet metal of which the pen is made has been cut and bent. This invention consists in effecting the "straight and cross grindings" in the sheet of metal from which the pens are made, or in grinding the blanks after they are cut from the sheet, and before they are bont into genet through a machine consisting essentially of the following parts:—The strip of metal to be ground is fed to the machine under rollers, and between guides; the strip of metal to be ground is fed to the machine under rollers, and between guides; the strip of metal is carried forward until it is brought under the operation of a grinder. The motion of this grinder is in a plane perpendicular to that of the sheet of metal; by the rotation of this grinder the cross grindings on one side of the strip of metal is effected. On the further motion of the strip of metal through the machine it is brought under the operation of another grinder, working in the same plane as the before-mentioned grinder; this second grinderieffects the cross grindings on the other side of the strip of metal. The strip of metal, lastly, is brought under the operation of a third grinder, working in a plane at right-angles to the former grinders, by which the straight grinding in the centre of the cross grindings is effected. The strip of metal in passing through the machine is pre-seed to the rotating grinders for planes. The motion of the grinders is effected by bands passing over pullics on their axes. In order to prevent the strip of metal from "buckling" during its passage through the machine, it is supported above and below by endless guide cords. The adjustment of the several grinders is effected by means of serews. Instead of grinding a continuous strip of metal This invention relates to that stage of the manufacture of metallic pens at which

STOCK, MINING, AND RAILWAY SHARES IN IRELAND. [FROM OUR CORRESPONDENT IN DUBLIN.]

SETT. 27.-We have had another dull week in the Stock and Share Market. Consols and New Three per Cents, have both receded about 30s. National Bank shares are to-day quoted 11. less than last week's Mining Company of Ireland shares, after rising 15s., fell about Wicklow Copper shares were done at a fall of 11, and are to-day at 28. Railway shares, with the exception of the Waterford and 78. 6d. Wicklow Copper shares were done at a fail of 12, and are to-day quoted at 28. Railway shares, with the exception of the Waterford and Limerick, did not exhibit the same downward tendency, but prices were hardly maintained. The following are last prices:—Consols, 88\frac{1}{2}; New Three per Cents., 89\frac{1}{8}; Hibernian Bank, 33\frac{1}{8}; National Bank, 30; City of Dublin Steam, 63\frac{1}{2}; Patriotic Insurance, 8\frac{1}{2}; Consumers Gas, 8\frac{1}{8}; Mining Company of Ireland, 13\frac{1}{8}; Wicklow Copper, 28; Dublin and Wicklow Railway, 5\frac{1}{8}; Great Southern and Western, 50\frac{1}{4}; Killarney Junction, 6; Midland Great Western, 49; Waterford and Limerick, 18\frac{1}{2}; Waterford and Tramper, 5\frac{1}{2}. Retrief and Tramore, 5%.
But few things would seem to indicate so much the growing prosperity

But few things would seem to indicate so much the growing prosperity of this country as the great demand which exists for increased communication throughout every part of it. Railways are springing up everywhere around us, but especially in the south and the west, where two or three are well nigh completion. One has been just commenced, and some others are projected. The first stone of the Killarny and Tralec Railway was laid by his Excellency the Lord Lieutenant last week; and every encouragement has been afforded by the lord of the soil, the Earl of Kenmare, who has generously given the company a grant of 260 acres of land, which will enable them to run the line 11 miles through his lordship's estate. This is worthy of imitation, and deserves to be recorded. The Irish South-Esstern Railway Company held their half-yearly general meeting vesterday. The report and statement of accounts were

The Irish South-Eastern Railway Company held their half-yearly general meeting yesterday. The report and statement of accounts were deemed satisfactory, and passed. A motion was made to consider the services of the directors, but was opposed, as it appears that those gentlemen had, in a manner most creditable to themselves, agreed on a former occasion to forego any pecuniary consideration till a dividend of 3l. per cent., out of profits, could be declared. The balance on the half-year was 2352l, out of which a dividend of 2l. 6d. per share was declared. This line was out of profits, could be declared. The balance on the half-year was 2352L, out of which a dividend of 2s. 6d. per share was declared. This line was partially opened in 1848, and entirely in 1850; its length is 25 miles. The following are the dividends declared, the first being on the half-year ending Dec. 1852, 1s. 6d. per share; June 1853, 1s. 6d.; Dec. 1853, 2s.; June 1854, 2s.; Dec. 1854, 2s.; June 1855, 2s. 6d. This last was, therefore, the highest declared, and there is every likelihood of its being further increased. further increased

The meeting of the Waterford and Tramore Railway Company will take The meeting of the wateriord and framere kandway company will take place to-morrow. It is thought the dividend will be 2s, per share, or a little over 1l. 10s, per cent. on the winter's working. The last dividend was 2l. 10s, per cent., making 4l. per cent. on the year. This line is only 7\frac{1}{2} miles long, and has been open but two years: 16 properties will be set up for sale in the Incumbered Estates' Court next month. I will hereafter draw attention to some of them which I consider deserving the vertice of your English cavitalists. notice of your English capitalists.

THE METAL TRADES AND INDUSTRIAL PROGRESS ON THE CONTINENT.

FROM OUR PARIS CORRESPONDENT. SEPT. 27 .- Great inconvenience to all engaged in the iron trade has

een for some time experienced, in consequence of the scarcity of all descriptions of iron, which inconvenience is daily more severely felt, and not only tends to drive prices upwards, but, in many instances, compels manufacturers to purchase second hand, to meet their immediate requirements. At St. Dizier, no change in the general appearance of the market has taken place, and prices continue very firm. Scotch pigs are plentiful, has taken place, and prices continue very firm. Scotch pigs are plentiful, with an upward tendency. At Amsterdam, the transactions in Banca tin have been unimportant, at prices varying from 74\frac{2}{3}\text{ft}. Or 5\frac{1}{3}\text{ft}. Paschkoff copper is well held, at 7\frac{5}{3}\text{ft}, Couronne at 72\frac{1}{3}\text{ft}, and Drontheim at 75\frac{1}{3}\text{ft}. There is no lead offering. At Hamburg, the amount of business doing in copper is well held, at 75 fl., Couronne at 72 fl., and Drontheim at 75 fl. There is no load offering. At Hamburg, the amount of business doing in zinc has been small, not exceeding 2500 quintals, which changed hands at 14 13-16ths m.b. Lead is more in demand, at former rates: English pig, 20½ m.b.; Spanish blocks, 19 m.b. Copper is firm, but little offering. At Liége, the general appearance of the market presents some improvement. Coals are in great request; and in pig-iron there is a considerable quantity of business doing, at the extreme rates of the day, and by many even a further advance is considered inevitable. From France, the orders have, during the past week, been plentiful. At Charleroi, the Journal states the demand for pigs and manufactured iron to be excellent. The ironmasters have not advanced their prices, and deal freely at former rates. There is a fair amount of business doing in merchant iron and sheets, for exportation to France and Holland. The price of ore is very firm. In the coal trade there is great activity in the principal establishments of the district—a fair amount of new orders coming in, and pressing requests to a fair amount of new orders coming in, and pressing requests to ich remain unexecuted. In the collieries, the underground opethose which remain unexecuted. In the collieries, the underground operations are equally active; and the preparatory works for a good winter trade being now nearly completed, the banks begin to look quite animated, and ample employment is insured to the men. Wood, requisite for colliery purposes, is fetching almost fabulous prices, and even a still further rise is anticipated.

Amongst the numerous projects for making a communication between France and England, a viaduct has been proposed by M. Favre, such viaduct to be from 140 to 160 feet above the level of the sea, and to have viaduct to be from 140 to 160 feet above the level of the sea, and to have arches 650 feet span and 60 feet riso. Before attempting to carry out such a project, three questions must be satisfactorily answered:—Can a bridge be constructed with arches of these dimensions? Could sufficient strength be given to the structure to insure against a violent tempest overturning the whole edifice? What would be the probable effect and uses of the undertaking? In the first place, a short description of the process

the pressure of the water in either direction, and of such strength that, although 250 feet in length, they shall resist the motion of the sea without shaking. The arches are to be constructed in as simple manner as possible, and connected with a single horizontal way, about 40 feet wide, of oak, covered with galvanised iron; the whole of the material used in the making of the arch to be covered with an oleo-bituminous liquid, to render all its parts impermeable to moisture. The second plan is to substitute iron for wood, and the third to construct the whole in masonry. Now, that a bridge can be constructed with arches of the proposed measurement there appears to be but little doubt, and the requisite strength could be given to it; but, on the third question, there appears some difficulty, for as "it is necessary that the piles should be not only of sufficient strength to resist the sea, but also to sustain the enormous weight of the arches," it becomes a matter for consideration whether the immense surface which must necessarily he covered by the base of these piles will strength to resist the sea, but also to sustain the enormous weight of the arches," it becomes a matter for consideration whether the immense surface which must necessarily be covered by the bases of these piles will not, in the course of a comparatively short time, by acting as groins, be the means of forming an impassable bar, which would eventually become an isthmus, uniting England with the Continent. Had the projector, to whom, no doubt, this obstacle has presented itself, have given the exact dimensions which he considered necessary for the bases to secure stability, and offer the least possible resistance to the shingle, or other matter, which would come in contact with his piles, the scientific public would have been enabled, in a measure, to judge of the merits of his schome; but, as his suggestion at present stands, I cannot think it would ever answer for practical purposes. I should be happy to learn the opinion of your English scientific mon on the subject, as I consider fair discussion the best means of arriving at correct conclusions.

The Forges de la Basse Indre have given notice that the first half of

The Forges de la Basse Indre have given notice that the first half of the dividend declared to the end of June, of 40 fr. (11. 12s.) per share, of 500 fr., will be payable after Monday next. Thirty shares in the colliery of Courcelles-Nord are advertised for sale, at Charleroi, on Oct. 25. A colliery, situate about 10 kilos. from Charleroi, is also advertised for sale, and stated to possess peculiar advantages for investment.

IRON CANNON-CAST OR WROUGHT.

In the manufacture of ordnance, the obtaining that certain degree of strength and durability, combined with lightness, and without the encumbranco of any excessive amount of untractable weight, is the all-important subject to which the attention of practical and scientific men has been directed. Combined with this desideratum is the object of obtaining the greatest effective power from the best form, united with, and executed in, the most appropriate and fitting substance or material. Guns hitherto have principally been manufactured in iron, bronze, brass, and that admixture of copper with zine or tin ordinarily denominated "gun metal," although other materials have occasionally been substituted. Whatever holy way he employed or need in the overstion of the meanifecture of body may be employed or used in the operation of the manufacture of guns or mortars, the question resolves itself into the following proposition—viz., What can now be done in order to make either east or wrought metal guns of greater cohesive tenacity, through which they may continue uninjured by the force of that tremendous explosive power they are subject to from the discharge of a heavy loading of gunpowder and ball or shell, to the effect of which they are constantly liable? and further, Which process of manufacture is best adapted to the required purposes? However general this proposition may be, at the present time, investigators have tended, as they have been directed, to develop the intrinsic qualities of the iron required, whether in its cast or malleable state, whatever of the iron required, whether in its cast or malleable state; whate tenacity or toughness may result from the use of either original copper its amalgams, under the denomination of brass, bronze, or "gun meta the cost of guns so manufactured is so great as almost to preclude the pos-sibility of those descriptions of compound metals being brought into gene-ral use, even without directly regarding the question of somewhat cum-bersome weight which the metal presents, especially in the construction of cannon or mortage of the large presents. bersome weight which the metal presents, especially in the construction of cannon or mortars of the largest calibre; nor is it because these implements of warfare have been used by the Turks, under Mahmoud II., and in the Dardanelles, to an extent of 36-inch calibre, which required a charge even of 250 lbs. of powder, that this subject need be gone fully into. The material which, as an expedient, economy will suggest for present use is iron; and pursuing the subject, we should endeavour to ascertain whether for artillery or engineering purposes iron is proferable, when used in its wrought or malleable, or in its cast or moulded, state. The specific gravity of iron is certainly greater than that of copper, nor, perhaps (having regard to tengeity alone) is iron very far superior in this rehaps (having regard to tenacity alone), is iron very far superior in this respect to the last-named metal. The most important subject for consideration which arises herefrom is, whether east or wrought-iron is best adapted for the purpose specified.

adapted for the purpose specified.

In the formation of a canon, a certain amount of gravity, or weight, is required to impart to the machine its projectile power, as well as to resist all strain, tension, and concussion consequent upon the explosion and combustion of the gunpowder and the discharge of the shot. Sufficient substance of metal for these purposes is all that is required; that amount which is beyond is useless encumbrance. In kind, all metals are malleable to the greater or the lesser extent; it is in the degree of extensibility as well as temperature wherein they differ. Cast-iron usually is consias well as temperature wherein they differ. Cast-iron usually is consi as well as temperature wherein they differ. Cast-iron usually is considered to be brittle; although, under an alteration of temperature, it is capable of extension. The malleability of wrought-iron is developed by a dexterous manipulating process, from which the fibrous texture of the metal is obtained, and whereby it derives its tenacity. Cast-iron, on the contrary, existing in its natural form, presents itself in a crystallised state. The objection to the application of wrought-iron for the formation of pieces of orderance arises from the difficulty of forging and welding in a sufficient The objection to the application of wrought-iron for the formation of pieces of ordnance arises from the difficulty of forging and welding in a sufficiently perfect manner so large a mass that it shall be perfectly uniform and homogeneous in its nature, combined with a proneness under certain circumstances progressively to re-assume its original crystalline form. The fibrous continuity is hereby interrupted, a degree of brittleness ensues in the place of tenacity, which under explosion, or the combustion of gunpowder, renders the material wherever this defect arises unable to resist the force of this concussion. A process by which wrought-iron, after have powder, renders the material wherever this defect arises unable to resist the force of this concussion. A process by which wrought-iron, after having become crystallised, has been restored, and its fibrous character become reinstated, is, however, pursued in Birmingham, although it does not appear to have been adopted in respect of those wrought-iron cannons which recently have been submitted to the test of experiment.

The difference between the cohesive force and tenacity of wrought over cast-iron is sometimes stated to be about as three to one, although on account of the great difficulty which is always experienced in securing a

cast-iron is sometimes stated to be about as three to one, although on account of the great difficulty which is always experienced in securing a thorough uniformity of substance under the operation of forging and welding iron in large masses, and from the molecular change which iron undergoes by frequent beatings during the process of manufacture, and through its remaining for a lengthened period in a softened state, the difference referred to generally may be stated as about two to one. In substance wrought-iron is essentially fibrous and laminated, east-iron is necessarily crystalline. Whenever a discharge of shot is effected under the explosive influence of gunpowder, it is stated that a pressure of about 72 tons on the square inch arises, from which powerful concussion may explosive influence of gunpowder, it is stated that a pressure of about 72 tons on the square inch arises, from which powerful concussion may be estimated the degree of cohesive tenacity, which is necessary to sustain so large an amount of explosive and expansive power, whether the material applied be either cast or malleable iron. The experiments which have been made in wrought-iron guns, and more especially that which resulted in the unfortunate failure of Nasmyth's guns, may still with advantage be persevered in. A different method of aggregating so large a mass as is required for a wrought-iron gun may yet be arrived at, or some improved method of annealing, or of reinstating the fibrous texture of wrought-iron may be acquired, so essential as these advantages would be to demonstrate the practicability of the adoption of wrought-iron in its adaptation to the manufacture of guns and mortars. Several further experiments have been, during the last week, proceeded with at Woolwich at the "butt" in the Royal Arsenal. Two guns were submitted on that occasion by Captain Blakesley, Royal Artillery, having wrought-iron rings combined with castiron; this gun, an 18-pounder, burst at the first discharge. The second gun, a 9-pounder, strengthened by rings from the trunnions and the breech, stood well, as also did a 12-pounder, burst at the first discharge.

At present repeated experiments have tended to prove that cast-iron is the most convenient, appropriate, and least costly material for the construction of guns and mortars of the largest calibre, subject as they are to

At present repeated experiments have tended to prove that cast-inclusive the most convenient, appropriate, and least costly material for the construction of guns and mortars of the largest calibre, subject as they are to such powerful concussions, from the fact that a sound and uniform gun can always be relied upon by the use of the best-selected material, and by the exercise of only ordinary care in the moulding, heating, and casting process. The crystallisation of cast-iron is more uniform and perfect

than the fibral lamination of wrought-iron; nor is east-iron subject to ON THE MERIDIANAL AND SYMMETRICAL STRUCTURE OF the repeated heatings to which wrought-iron must be exposed. The analgumation and agglomeration of the metal is very far more perfect, uniform, and homogeneous in east-iron than when in a malleable state; nor then they liability to excidental innerfaction entired in the control of the metal is not in a malleable state; nor form, and homogeneous in cast-iron than when in a malleable state; nor is there that liability to accidental imperfections such as arise from flaw, cold joints, or imperfect welding. The forging of an enormous mass of iron of sufficient size to construct a cannon of ample substance to allow of 13-in. calibre, necessarily involves much risk and hazard, far more so than the casting of a similar body. The observation will certainly be made, that even this mass of cast-iron will be more porous in the centre than upon its external circumference; so necessarily it will be. But the same observation will be made in respect of malleable iron, the surface of made, that even this mass of cast-iron will be more porous in the centre than upon its external circumference; so necessarily it will be. But the same observation will be made in respect of malleable iron, the surface of which, as exposed to the hammer, will often acquire a far greater degree of density and hardness than the centre. Meny of the long-continued experiments at Woolwich sufficiently demonstrated the fitness of the castings at the Low Moor Iron-Works for the purposes of cannons and mortars. The objection to cast-iron principally rests on the grounds of the excessive thickness which it is found necessary to adopt, and, consequently, its intractible weight, although where great projectile force is required to be obtained gravity must preponderate, which gravity supplies its own resisting power, and enables a greater range to be attained, and a more effective discharge to be accomplished; while the substance from which the actual weight arises provides a sufficient resistance in its own cohesive force, and this imparts that security so essential under the exercise of the combined and mighty powers of explosion and concussion. The foregoing statement comprises many of the advantages which are now possessed by the cast-iron gun. Nevertheless, by improvements in the manufacture of the wronght-iron gun which progressively will be realised, the latter material may yet be convertible into a formidable implement of warfare, although, perhaps, not on so extended a scale as that on which cast-iron will be used, that commodity possessing the lowest rate of cost, which alwill be used, that commodity possessing the lowest rate of cost, which al-

ways will vary.

The Americans first claimed the credit of having constructed the large

The Americans first claimed the credit of having constructed the largest cast-iron gun ever made, which was alleged to weigh 25,000 lbs. The dimensions of this gun are as follows:—Length, 10 ft.; base ring, 39 in. diameter; length of chamber, 13 in.; diameter, 9 in.; length of bore, 9 ft. 1 in.; diameter of bore, 13 in.; weight of round shot, 230 lbs.; weight of shell, 180 lbs.; range, 3½ miles.

The gun which was manufactured some little time since by Messrs. Walker, Gospel Oak Works, Staffordshire, far exceeds the dimensions of the American gun. The gun in its rough state weighed 63,000 lbs., and when finished 41,000 lbs. This gun is 13 ft. long, 48 in. diameter at the base; calibre, 15 3-10ths. The shells weigh 320 lbs.; round shot, 456 lbs.

The usual monthly meeting of the committee of management of the Association for the Prevention of Steam-boiler Explosions was held at the Chambers of the secretary, Mr. H. Whitworth, Corporation-street, Manchester, on Tuesday, when the chief inspector, Mr. R. B. Longridge, attended, and presented the monthly report of the proceedings of the subinspectors and himself. The following extracts from the report have been furnished to us:—"Since the last monthly meeting, the works of 135 members have been visited, and a total of 376 boiler inspected. With few exceptions, these boilers are in a good condition, and the mountings in good working order, but in four instances the safety-valves were found in such a state as to render the safety of the boilers very uncertain. There have been no cases of explosion during this period. Of the engines, 80 have been indicated, in some of which the diagrams show considerable waste of power, partly from errors in setting the valves, and the ordinary defects arising from wear and tear, but frequently, also, from the misapplication of high-pressure steam. It is not unusual to find the steam in the boiler two or three times the pressure at which it enters the cylinder, whereby two or three times the pressure at which it enters the cylinder, whereby the chief advantage of high-pressure steam is lost, and the boiler exposed to an unnecessary strain.

the chief advantage of high-pressure steam is lost, and the boiler exposed to an unnecessary strain."

Railways in Australia.—By recent accounts from Melbourne, by the Frances Henty, intelligence has been received of a most encouraging nature respecting the progress of the Geelong and Melbourne Railway Company; 14!. of the 20!. Shares had been called up; and the ready manner in which the shareholders met the last call, proves the confidence they entertain in the near prospect of a good working dividend. 200,000!., out of their gross capital of 350,000!., had been paid up, and expended on the works. It was expected that the cost of the line would even be below the estimate, and would be open for traffic in about the month of June of the ensuing year. It has been proposed to go into William's Town, and as a temporary mensure, open the through traffic, by means of a steam ferry to the Hobson's Bay Pier, at Sandridge, and thence to Melbourne by the Hobson's Bay Line. This latter company was emerging from its difficulties, and notwithstanding the heavy outlay, incurred at a time when wages and materials were at the highest value, it is paying 15 per cent, and bids fair to become a remunerative investment. A progress report on the subject of trunk railways had been presented to the Legislative Council, by a select committee appointed to enquire into the best means of opening up the internal communication of the colony. The report was infavour of a system under the exclusive control and management of Government, the capital to be raised by colonial bonds, and contracts taken for the formation of the sectional portions, and for the supply of the necessary material and stock, in this country. The report recommended that the committee should extend its enquiries, with a view of arriving at a practical conclusion; and that a detailed report should be presented to the Legislature, on its re-assembling in October next. Considering the vast sums of money annually voted for roads, bridges, and works, in a roadless country, it

best plan is known and determined upon.

GOLD, AND THE GOLD FIELDS OF AUSTRALIA.—By the ships Frances Hesty and Northumberland we have news to June 31, inclusive; and the last-named venet has 270,000f. in gold on board. The Bank of Victoria had fixed the rate of exchange on London at 2% per cent. premium. In the gold market, at Melbourne, there was no alteration, the demand being less active after these ships sailed. The price was no alteration, the demand being less active after these ships sailed. The price was no alteration, the demand being less active after these ships sailed. The price was no alteration, the demand being less active after these ships sailed. The price was no literation, the demand being less active after the corresponding period of 1854, and 7 west, more than during the corresponding period of 1854, and 7 west, more than the like period of 1853. It seems quite certain that the chapness of all necessaries at Ballarat, even during the season when the roads were ball markets remarkably easy, and pretended to be waiting for machinery, whilst others afterned that the supply of water was deficient. The imports into Melbourne during the closing week in June were 121, 4504, and the exports 273,2914, showing a balance in alwar of the colony, but this includes the gold remittances; and there can be no question but that Australia is still heavily in debt to the mother country, and that some of the richest sottlers at present residing there are drawing large incomes. The lusts Government essert had brought down 49, 3344. There was a scarcity of copper coin at Melbourne. The Sydney advices are to June 23. The price of gold varied from 33, 8s. to 34, 19s. 64, per oz. The last gold consignment received was 1237 oss. 13 dust. It was said that the coinage of gold into sovereigns had commenced at the Mint, and that they would be shortly ready for issue. A great sensation had been caused in Sydney by the committal for trial of two wealthy bullion brokers, Messre, Mah and Forbes, in partnership together, for

the whole of the weights, and found 20 of them deficient.

SPURIOUS GOLD DUST MANUPACTORY.—The last accounts from California is the that a Frenchman, named William Dusczeau, and a Turk, Yousouff Bey, are in custody on the charge of manufacturing sparious gold dust. These worthies appare to have been engaged in this business on a large scale, and are said to have been someeted with an express house in San Francisco. On their premises the police found "bogus dust," "bogus muggets," and "bogus coin." On the eve of this disease; and are said to have been some six months ago, left the country very quietly for Australia. His exit was performed in a manner which is classically described as "shooting the moon." Since he left, devilopments have been made as to the mode of conducting the business of his enterplants have been made as to the mode of conducting the business of his enterplants have been made as to the mode of conducting the business of his enterplants of the country busing houses for some time.

Spirits of Wine for Manufacturing Purposes.—The excise order.

SPIRITS OF WINE FOR MANUFACTURING PURPOSES.—The excise order which permits the use of methylated spirits of whe for manufacturing purposes, free of duty, comes into force on the first of next month. It would appear that this beneficial change in our commercial position owes its origin to the representations made by the Society of Arts to H.R.H. Prince Albert, who, impressed with the fact that the term of the properties of the spirits of wine place an insuperable bar sgainst all approach to fair competitive rulerly between this and other countries in many manufacturing prosesses, has successfully exerted himself to remove the impost. The regulation to be observed by consumers are now being issued gratuitously by Mesers. Lightly and singon, the well-known whole-sale wine and spirit merchants of Fenchurch-street, who have been licensed by the Commissioners of Inland Revenue to supply the spirit. The regulation is, of course, of an especial and stringent character, and it would be well if all persons desirous of availing themselves of the dvantages offered by the law is a supply to the promote themselves of their nature.

Abd-el-Kaderwistiat the Fench Technition on Wednesday accommended.

is

Abd-el-Kader visited the French Exhibition on Wednesday, accompanied Abd-el-Kader visited the French Exhibition on Wednesday, accompanied a same of his distinguished friends. The party were greatly astonished at the natival assignition productions collected, and the Emir, on taking leave of M. Le Play, "satisfully remarked—" This place is the palace of Intelligence, animated by the satisfully remarked—" This place is the palace of Intelligence, animated by the satisful of Qod."

BY EVAN HOPKINS, C.E., F.G.S.

Mr. Hopkins commenced by stating that the object of the paper was to show how the organic remains belonging to the southern hemisphere had been brought to the north, and to bring forward demonstrative proofs that the whole surface of the globe is constantly moving at a very slow rate from south to north, by means of that power called terrestrial magnetism. It is the inexperienced, and those who have only studied books, who describe this globe of ours as an accidental and artificial product—hot or cold, hollow or solid—a wreck of worlds, or a chaos of melted matter, accold, hollow or solid—a wreck of worlds, or a chaos of metted matter, according to the immediate object of their thoughts and enquiries. Violent incandescent eruptions are often assumed to account for physical changes, which may be observed as daily taking place in different parts of the world, by means of the ordinary slow and imperceptible process of nature. Our globe, according to the notions of geologists in general, has been brought to its prosent state of mineral structure and configuration by repeated melting, roasting, boiling, freezing, and scratching, as fancy or fashion may lead the way.

These theories, however, do not, generally speaking, proceed from men who have been thoroughly trained in the laws of terrestrial physics and practical science, nor from persons who have travelled over the world, and

who have been thoroughly trained in the laws of terrestrial physics and practical science, nor from persons who have travelled over the world, and who have examined and studied the phenomena of exiting volcances, &c. On the contrary, they often proceed from geological professors and aspirants, who have never seen any other rocks than those in the immediate vicinity of their local habitations, which may not equal a spot that could be covered by the point of a finger on a globe of 3 ft. in diameter, nor yet a depth equal to the thickness of its varnish coating. Unfortunately, it frequently happens that the more limited the experience and scene of observation, the greater the presumption and consequent injury done to the progress of the true science of geology. We need not, therefore, be surprised at the extravagances and inconsistencies of many of the theories advanced by geologists to account for the observed superficial changes.

The want of knowing the state of the globe as it is in different zones, and the tendency of the human mind to draw conclusions from isolated and exceptional phenomena, confined to limited districts, and the desired to support the assumed fanciful hypotheses most in fashion, are the causes of the difficulties attending the progress of geological science, and of its being unavailable for useful purposes, and held in such low estimation by the public, and amongst practical men.

Let us turn over a new leaf, and read the book of Nature as we see it, neither adding to nor taking from the meaning of its true context; and let us context to the progress of geological science, and its period to the progress of the progress of the progress of the context; and let us endeavour to interpret each range as we progress, or in other and let us and let us endeavour to interpret each range as we are restricted and the progress or in other and let us on the progress or in other and let us on the progress of the progress of the progress or in other and let us out any other progress.

Let us turn over a new leaf, and read the book of Nature as we see it, neither adding to nor taking from the meaning of its true context; and let us endeavour to interpret each page as we progress; or, in other words, let us act as if we were strangers coming from the realms of space to examine this globe, to make a systematic survey of its contents, movements, and changes, and to give a faithful account of the whole, irrespective of the theories of its inhabitants.

This is the only way to act, if we intend to proceed in our labours in the true spirit of philosophy. It is not by supporting artificial systems, and magnifying one division at the expense of another, that we can progress in the true science of geology, or command respect for our labours. No; the temple of knowledge must be free from toadyism and sciolism, it must be peaceful and serene, and under the sole influence of a spirit in search of truth, irrespective of all human doctrines or individual interest. Mr. Hopkins then explained the general effects of polarity, which were illustrated with numerous highly-finished sections, made in different parts of the world.

WEEKLY LIST OF NEW PATENTS.

APPLICATIONS FOR PATENTS, AND PROTECTION ALLOWED.

APPLICATIONS FOR PATENTS, AND PROTECTION ALLOWED.

A. Morton and E. Hunt: Motive-power engine.—C. Goodycar: Wheels for ear
tiges, &c., where India-rubber is used.—T. Howit: Machinery for pulverising and
givating.—J. Gedge: Galvanising substances.—W. Craymer: Propelling vessels.—
Peacock: Ship-building.—R. A. Brooman: Casting mortars, cannon, &c.,—J
owart: Steam-boilers for the more effectual consumption of smoke.—L. Damgron.
matruction of carriagss.—J. Panet: Hydraulic system for propelling or railways
obtaining motive-power and distributing water.—J. Rhodes and J. Johnson
eam-engines.—J. Gimson: Feed apparatus for steam-boilers.—R. B. Cousens: Ma
inery for making casks. hinery for making casks.

WEEKLY LIST OF PATENTS SEALED.

WEEKLY LIST OF PATENTS SEALED.

P. Ransome, Inswich—Improvements in the manufacture of artificial stone.

R. J. Jesty, Great Northern Railway, King's-cross—Improvements in apparatus for ndicating between parts of a train of carriages on a railway.

J. S. Petring, Radeliff—improvements in the permanent way of railways.

W. Hutchison, Tonbridge Wells—Improvements in manufacturing artificial stone, not in giving colour to the same.

J. Gedge, 4, Wellington-street South, Strand—Improvements in the means of stop-A. McDougal, Manchester—Improved method of consuming smoke in steam—engine other furnaces or fire-places.

T. R. Crampton, Adelphi—improvement in locomotive and other steam—boiler L. Oadry and A. Oudry, Paris—Improvements in preserving wood, metal, and ther substances.

ther substances.
S. Roberts, Hull—Improvements in steam-engines,
R. Hornsby, Spittlegate Iron-Works, Grantham—Improvements in threshing ma

R. Hornsby, Spittlegate Iron-Works, Grantham—Improvements in threshing makine, C.E., and Mr. John Thomson (of the East Indian Railway), have patented an improved method of laying electrical conductors, for submarine telegraphic communication. The patent contains various improvements in matters of detail; but the most important, perhaps, is the employment of the resistance of fluids forced by pumps through adjustable valves to regulate the speed of the drams and pulleys by which the cable is dropped. The inventors will thus save the labour of 20 or 30 men. canble one man to regulate the speed of the cable by opening and closing a valve, and render the whole operation, in great depths of water, incomparably safer, more certaily, and more expeditions, as well as cheaper, than it is at present.

FIRE-BRICKS.—Mr. Georgo Noble, of Pensher, Fence Houses, has recently patented an invention, by which it is proposed to do away with manual labour in the manufacture of fire-bricks made from ground clay, by passing it directly from the grinding mill to the machine, where it is made into bricks ready for the klin, instead of adding water and making it into a paste, according to the present process. This operation will save the expense of drying flats and coals, now used for preparing bricks for the burning klin, and will prevent any alteration in form of the wet brick by handling. The invention consists of a combination of hydraulic machinery, for compressing clay in a pulverleed state into bricks, and for changing the position of the moulds in which the clay is compressed, so that they may fill and discharge themselves after compression. After the clay is formed into bricks, the sides and ends of the moulds recede, and leave them free, without any foreing, which effectually prevents all liability to fracture or damage. A machine with two moulds will produce from 2000 to 4000 per diem. The importance of fire-bricks in the various departments of industrial manufacture can scarcely be over estimated; any improvement, therefore

FATENT BRICKS.—Certain improvements have recently been effected in the form of bricks for drainage, sewering, culverts, and other purposes. This brick, instead of showing a plain surface on each joint, presents a small goggle, or toothing, upon each bed, which butts upon the actual joint, and thus by covering the joint itself, the interstice is met by a resisting face. In circular work, either for shafts or sewers, the joints are radiated upon the same principle. By means of the patent brick, within the thickness of 10 in, the same purpose is accomplished in respect of hydraulic works, which would require the space of 13½ in of the common brick now used, in three thicknesses, according to the customary method. Greater efficiency, on account of the size of the improved brick, will be attained, by the use of which a large amount of material will be aved, a great portion of which is usually cut to waste in breaking joint, which is a cessential for the stability and securing of the work on the present principle, and a multiplicity of joints will be saved. The patent for the improved brick is taken out by Mr. Sanuel Monk, engineer, Smethwick.

**VULCANIZED INDIA RUBBER—NOVEL APPLICATION.—Among the patents

VULCANIZED INDIA RUBBER—NOVEL APPLICATION.—Among the patents taken out by Mr. Goodyear, in respect of the application of India rubber, is that of taken on to Mr. Goodycar, in respect of the application of india rubber, is that of sheathing for vessels; on the grounds of its lesser cost, that it will not corrode, that it is as easily applied as copper, and that its durability is greater. When used in the construction of salls, it is found that they will not stiffen, nor will ice adhere. It is also proposed to be rendered available in the construction of ships' boats, and as framed for a pontoon raft is capable of supporting 30 persons. Shot plugs are made of this material on account of their easy adaptation to any hole. The patents further include the application of this substance in packing, paying seams, in the formation of buoys, for submarine armour, ships, letter bags, provision bags, water tanks, for tarpauling, clothing, buttons, &c.

Screw Properties.—An improved construction of this important accessory of modern steam navigation has been patented by Messrs. Kenwor:hy and Greenwood, of Leeds. The improved propeller is constructed in three pieces, which is deemed to be an improvement upon the formation of the original screw, in one piece In case of accident, by this arrangement the blade can be refitted in the event of displacement, being dovetailed upon the main shaft, upon which it can be set to any required pitch or angle; and, being entirely of wronght-iron, less liability of fracture exists. Capt. Williams, of the City of Dublin Steam Packet Company's ship, Windsor, has also patented his improvements in the screw propeller. From the fact of the particular parts of this screw revolving in the water "end on," the inventor claims the ndvantage alluded to, as it has more propelling surface than ordinary screws, combined with the lesser diameter. A propeller of 9 ft. diameter will have 3 ft. of clear ance in its centre, so as to allow the water to pass along the shaft. Moreover, its peculiar form leaves the third of its diameter as clearance on its centre, so that its propelling surface is carried out to its full diameter. By way of experiment, twelve passages were recently made with the old propeller, and twelve with Capt. Williams. The twelve passages made by The Times averaged 15 hours 1 minute 8 seconds, by the old screw; and 13 hours 30 minutes worked by the new patent screw, thus effecting an average aving of time of 1 hour 31 minutes 8 seconds. With inventors of screw propellers, the chief desideratum sought is to secure the greatest amount of propulsion in a given space of time, and at the least possible cost of fuel, and wear and tear of machinery. SCREW PROPELLERS,-An improved construction of this important ac-

Business in Birmingham having realised a competency in the concern, is about to retire, and there is, therefore, an OPENING for a PARTNERSHIP for a GENTLEMAN who can command a capital of £6000 or £9000, and who would devote the whole of his time and energies to the management of the warebouse department. The business is increasingly prosperous, and capable of still further extension. None but principals will be treated with, and unexceptional references will be required.—Apply to Mr. Julius Partnice, solicitor, Birmingham. RAILWAY TRAFFIC RETURNS.

DARTNERSHIP,-The Senior Partner in a large Manufacturing

ENGLAND .- Subjoined are the traffic returns of the various English lines the last week:—
London and North-Western
Lancashire and Vorkshire
London and South-Western
London and Brighton
London and Brighton 20,934 14,189 16,206 22,993 33,600 19,492 22,078 Chester and Holyhead Manchester, Sheffield, and Lincolnshire Eastern Counties, Norfolk, and Eastern Union Bristol and Exeter 7,220 9,377 23,281 6,763 6,103 1,546 6,966 31,298 4,007 3,438 2,544 6,064 2,556 3,761 3,011 6,065 8,761 22,502 6,417 5,707 1,571 6,295 28,818 3,509 3,441 2,185 5,847 2,761 1,766 1,332 2,321 London and Blackwall Lancaster and Carlisle Midland Midland Oxford and Wolverhampton Newcastle and Carlisle..... sbury and Chester Wales West Hartlepool Railway and Harbour...... Total £332,416 £324,066 1854. £11,766 5,953 3,046 5,600 4,642 SCOTLAND .- The returns on Scotch lines are :- 1855. COTLAND.
Calcolonian
Calcolonian
Edinburgh and Glasgow
Edinburgh, Perth, and Dundee...
Clasgow and South Western
North British Total . £32,646 £31,007 IRELAND.—The Irish returns are:—
Belfast and Ballymena
Dublin and Belfast Junction 1,172 1,094 1,728 6,526 3,478 1,382 1,066 933 1,513 6,139 2,835 1,192 Dublin and Kingstown
Dublin and Drogheda
Great Southern and Western
Midland Great Western

RAILWAY TRAFFIC.—The returns of railways in the United Kingdom for the week ending September 22 amounted to 435,3671, and for the corresponding week of 1854 to 388,5271, showing an increase of 46,849. The gross receipts of the eight railways having their termin in the metropolis amounted for the week ending as above to 196,7961, and for the corresponding week of last year to 173,8681. showing an increase of 22,9881.

The increase of 22,9881.

The increase on the Eastern Counties Railway amounted to 7794.; on the Great Northern to 15941, on the Great Western to 50181, in the London and North-Western to 53181, on the London, Brighton, and South-Coast to 16641,; on the London and South-Western to 23881, and on the South-Eastern to 63941: total, 23,0101. But from this must be deduced 224, the decrease on the London and Blackwall: leaving the increase, as above, 22,0881.

The receipts on the other lines in the United Kingdom amounted to 238,5711., and for the corresponding period of 1854 to 214,7194, showing an increase of 23,8521, in the receipts of those lines, which, added to the increase on the metropolitan lines, makes the total increase 40,8404, as compared with the corresponding week of 1854.

The railway calls falling due in October amount to 501,2662. The total calls for the ten months of the present year are thus raised to 11,726,5221., against

the receipts of those lines, which, added to the increase on the metropolitan lines, makes the total increase 46,8404, as compared with the corresponding week of 1834.

The railway calls falling due in October amount to 501,2661. The total calls for the ten months of the present year are thus raised to 11,726,5224, against 12,072,0652, in the corresponding period of last year, and 9,083,8011. In 1853.

AMERICAN RAILWAY CONSTRUCTION.—In the construction of the Troy and Greenfield Railway the application of machinery, aided by steam power, is about to be carried into effect on a very extended scale, more particularly in the formation of tunnels. This line is 42 miles in length, and will connect the present railway from Boston to Greenfield at Troy with the Buffalo line. The country traversed is of a very rugged and uneven nature. The tunnel in which the experiment is proposed to be first made will pass through the Hoosack Mountain, which lies in the range of the Green Mountains. The prevailing quality of the rock, of which the Hoosack Mountain is formed, is composed of mice slate. The stratification, or pitch of the seams is nearly vertical, almost at right angles with the line of the railway through the tunnel is 24,300 feet, rather exceeding 4½ miles, having an ascending gradient of 1 in 210, or about 25 feet in the mile in each direction. The eastern summit of the mountain rises 17-0 feet, and the western 1200. The tunnel will pass directly through the mountain, and will be 20 ft. in height, and about 24 ft. in diameter. The total contents of the tunnel is e-timated at 390,000 cobic yards, including the quantity to be removed for the approaches. For the construction of the tunnel is proposed, by machinery worked by steam power, to drive a heading through the mountain 8 feet in diameter, and by means of cross-cut drills to cut into the face of the rock transversely in sections, which, by the aid of gunpowder, will readily be displaced, the machinery in its progress removing and distributing the roll at either e

RAILWAY ACCIDENTS.—We are glad to learn that a company is in progress of formation for carrying out the several ingenious inventions of Mr. G. H. Ingall, which have been designed for preventing every class of accident it is possible for man to have control over. The association, we understand, is likely to be a very influential one, and will be called the "Railway Accidents Prevention Company."

THE IRON TRADE.—"Ironmaster," in this day's Worcester Journal, says—"At the preliminary meeting of the trade, held on Thursday, at the New Inn, Handsworth, the price of bars was declared 9l, per ton; at last the buyers know what to do, and I hope there will be no more change for some time to come. There was a strong feeling with some strong men that 10l, should have been the figure, but I am happy to say there prevaled wisdom enough among the majority to keep within a reasonable limit. It should not be forgotten in fixing prices, that whenever our bars are above 8l, per ton the Belgians can command the Dutch markes, and all available resources are put forward by the American makers to supply the consumers in their country. You can see that from an error of excess in price we force competition with other producers, and for a time, when once in open action, it will go on; hence, when our prices recede, and orders slacken, we have to contend against a power which we created in rashness. I hope and trust we may have no unpleantness with the men; the puddlers in some of the works have given notice for an advance of wages. If they would only consider that when bars have been selling amongst second-class makers at the puddlers in some of the works have given notice for an advance of wages. If they would only consider that when bars have been seiling amongst second-class makers at 71, 10s, per tom, and that no reduction was made in their pay. I think they should wait till bars are 10t before they insist on a rise; it would but be fair that they should do it. Pig-tron is too dear for bars at 9t, and this was the foundation for a dearer to put bars at 10t,, but this will right itself; it is, of coarse, a question of supply and demands, and great efforts are being made to increase the make of pigs; it is some years since so many pigs were made as are now being produced, and the stocks have not been lower since the latter end of the year 1853. I hear many manufacturers say they are better off for orders than specifications: this is to be accounted for by the buyers getting well on the books of the sellers, fearing the advance would go beyond 9t. I hope there will be no countermands.

P.S. I would advise those who have to sell ore and pig-iron from a distance, to moderate their views of price when an advance is expected. Large sales may have been made by them if they had been content to meet the buyers, but they would not sell unless at a price equal to 10t, for bars. They will lose by such policy in the end."

Thes Side is the sellers of the price when an advance is expected. Large soles may have been made by them if they had been centent to meet the buyers, but they would not sell unless at a price equal to 10t, for bars. They will lose by such policy in the end."

unless at a price equal to 10t. for bars. They will lose by such policy in the end."

Thes Side Iron Trade.—The Stockton and Hartlepool Mercury of this day, in its weekly report, says:—"Prices retain their advanced position, with every prospect of stability, if not of further advance, mixed numbers being \$2s. 5d. per ton, nett cash. Orders are plentiful, foreign railway and hone Government demands continuing unabated. Shipments continue to be made briskly, and coal remains at nearly the prices of three weeks ago. The only drawback to the promising prospects of the entire trade has been the strikes of a fortnight ago; but of the threatened strikes in the collieries nothing is now heard; and the misunderstanding at Messres. Show don, Hopkins, and Co.'s Iron-Works, Middlesbro', having been removed, it is anticipated that they will not become a permanense interruption, which, indeed, would be a subject of regret at this time. In one word, the trade is healthy."

The manufacture of soda on the Tyne, and the chemical trade generally, recovering from the degression that has for some time affected it. The following a the quotations of the Tyneside manufactures:—Crystal soda, 5!, per ton; bi-carnic, 13;; bleaching powder, iol. per ton, delivered f.o.b.—Sunderland Herald.

The annual consumption of coal by Manchester and Salford is estimated

* Read at the British Association, Glasgow .- [To be continued.]

VALUABLE MINING MATERIALS.—FOR SALE, at BLACK CRAIG MINE, county of Kirkeudbright, near Newton-Stewart, Scotland, an excellent 39 in. cylinder ROTARY CONDENSING ENGINE, 6 ft. stroke, 8 tons tubular boiler (two tubes), steam chest, 3½ ft. diam. and 17 ft. long, and with all the necessary gearing for pumping and winding; 3 lifts of pumps (18 in. and 26 in.), in all 12 fms., with bucket and clack doors, working and windbores, complete; 3 powerful crab winches; 30 fms. ½ in., whim-chain; and a large quantity of rails, railway wagons, iron bucket rods, smiths and carpenters' shop furnishings, &c. Also, a powerful crushing machine, of the most approved construction (by Dodsworth), propelled by a water-wheel of 30 ft. diam., 2½ ft. breast, iron axie, centres, and rings; attached are 10 jizging hutches (4 iron, 6 wood), almost new, in excellent working order. Also, one spater-wheel, 12 ft. diam., 2½ ft. in. breast, iron axie, centres, rings, and wrought-yon arms; in connection with this wheel are two jizging hutches, eight German haddes, and two of Brenton's slime cloth frames. There are also a great variety of other useful mining materials on the mine.—For further particulars, apply to Capt. WILLIAMS, Newton-Stewart; on the mine; or to the secretary, John MacQuerke, Old Jewry Chambers. TALUABLE MINING MATERIALS.—FOR SALE, at BLACK

NALUABLE MINERAL PROPERTY IN SOUTH WALES, GLAMORGANSHIRE.—TO BE SOLD, in lots to suit purchasers, or TO BE LET ON LONG LEAWES, the MINERAL PROPERTY of the "GNOLL" ESTATE, near Neath, consisting of COAL, from the highly bituminous to the Aberdare steam coal, with valuable deposits of IRONSTONE, BLACKBAND, FIRE CLAY, and BUILDING STONE of a superior character. The Vale of Neath Railways and Canal pars through three miles of the estate. There are stations of the South Wales and Vale of Neath Railways on the property, with direct communication with London, and there will be very shortly with the important port of Milford Haven. The South Wales Mineral Line will pass through a great portion of the south-cast side of the property, and the whole of the minerals are within a moderate distance of the new docks at Briton Ferry and Port Taibot. A large amount of the purchase-money may remain on mortgage, at a moderate rate of interest.—Applications to treat for the whole, or any portion of this estate, must be made to W. BULLOCK Wenerka, Eq., The Gnoll, Neath; or to Messrs. Osnonya, Wana, and Co., solicitors, highest); of whom further particulars may be obtained.

INING INVESTMENT, &c.—The large amount of capital invested, and the great want of facility for conducting the sale and purchase of stock, has induced us to OFFER OUR SEZVICES to capitalists and others, being in daily communication with practical men in all parts of the country, who have the means of obtaining the most correct information upon the principal mines in Devon, Cornwall, and Wales. There can be no doubt that mining securities afford to the capitalist a safe and profitable source of investment, many of which, by a careful selection, will ensure a return of from 15 to 20 per cent. for many years to come; others of a progressive character hold a promise of increased value, and of becoming a lasting and dividend property.

Messrs, PULLER and CO., 51, THREADNEEDLE STREET, LONDON respectfully TENDER THEIR SERVICES in TRANSACTING any BUSINESS, or obtaining any information, connected with MINING, BANKING, or RAILWAY SECURITIES; and any orders confined to their care will receive the best attention.

Office Hours from Ten till Five.

IMITED LIABILITY ACT.—CENTRAL LONDON OFFICES.
—PROMOTERS OF COMPANIES under this Act, or others REQUIRING CEATRAL OFFICES in LONDON, or an experienced RESPONSIBLE AGENT there, to actively attend to their interests, are invited to communicate with Mr. JOHN SEWELL, Assoc. Inst. C.E. (Author of various Scientific and other, Papers), 13, LOMBARD STREET, LONDON.

13, LOMBARD STREET, LONDON.

THE KINSON CLAY WORKS, POTTERIES, AND FIRE BRICK ESTABLISHMENT, NEAR POOLE, DORSET, MANUFACTURERS Of every description of SANITARY GLAZED SEWAGE PIPES, CLOSET PANS, FURNACE BLOCKS, FIRE BRICKS, GAS RETORTS, CRUCIBLES, &c.

The completion of the kinson Pottery places the proprietors in a position to supply builders and the trade generally with any quantities of the above description of articles, at moderate prices.

The pottery is situate about 1½ mile from the town and port of Poole. It is worked by steam-power, and the pipes are made by the most approved patient machinery, and will bear favourable comparison with any manufactured in the kingdom. The fire bricks have been tested, and are found fully equal in all respects to those manufactured at stourbridge and Newcastle.

All articles are made from the clays and materials found on the estate. There is an inexhaustible quantity of all descriptions of Dorsetshire clay used for pottery purposes, which can be supplied to the Staffordshire, north country, and London markets upon favourable terms.

Lists of prices, and all other information, will be furnished upon application to Mr. T. W. Green, at the Works.

OR DRAINING AND OTHER PURPOSES.—LEVELS of FIRST-CLASS WORK, consisting of a 10 in. telescope, adjusted by rack, sursidade, parallel plates, mounted on tripod stand, or jointed legs, for use in a soal pit.—To be had of the maker, Jone Davis, optician, Derby.

For a prospectus and information, apply at the Museum of Practical Geolo Jermyn-street, London. TRENHAM REEKS, Registrar

MINING, & AGRICULTURAL LABORATORY, CONDUCTED BY
W. CROWDER, F.C.S., CONSULFING AND ANALYTICAL CHEMIST, Assistant in the Laboratory of the Highland and Agricultural Society.

Mr. W. CROWDER by to inform such persons as are connected with Mercantile, Mining, or Agricultural pursuits, that he will be happy to perform ANALYSES and ASSAYS of every description, and to be CONSULTED upon subjects pertaining to SCIENTIFIC CHEMISTRY. A limited number of PRIVATE PUPILS are admitted to the laboratory on the following terms:—

Fee for 12 months' course of instruction, in one payment in advance... £20 0 0

Fee for 3 months, payment in advance... £20 ... 6 0

Will shortly be published,

NOTES ON THE MINING DISTRICTS OF THE UNITED KINGDOM. By J. W. ARUNDELL, Eqq.
No. 1. CORNWALL. Part I.

The following are in preparation, and will appear serially:
No. 3. Cornwall. Part II.
No. 4. Derbyshire.
No. 5. Cornwall. Part IV.
No. 6. Cardiganshire and Montgomery.
No. 7. Cornwall. Part IV.
No. 8. Flintshire.
The districts treated of in the succeeding numbers will be announced in due course.

Published by request of the Committee which successfully opposed the Rating

(RITICAL OBSERVATIONS ON THE HOUSE OF LERDS,
and the THREE MEMBERS FOR CORNWALL, in reference to the late attempt to impose extra Burthena on Mines, together with Strictures on the Inconsistencies of John Arthur Robence, Esq., M.P. for Sheffield, in a Speech delivered by

Mr. T. BURDONNE, of Eyam, to nearly 500 of the freeholders and miners of Bradwell,
in North Derbyshire, on Saturday, 25th August, 1853.

Any person sending a stamped envelope to the Courier office, Chesterfield, may

Just published, in One Volume, demy 8vo., 110 pages, Illustrated by Twenty-tyo-Maps, Diagrams, &c.

Note of the Color of t

Society, &c.
Published (for the author) at the Mining Journal office, 26, Fleet-street, Londor
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THE TRAVELLER'S LIBRARY.
Now ready, in 16mo., price One Shilling.
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THE CIVIL ENGINEERS AND ARCHITECTS' JOURNAL for October, price 2s., contains—The Juvors' Report on the Machinery in the Exhibition, Paris, by Mr. Fairbairn, with engravings; on the Relation between Revolving Alarms and Explosions in Coal Mines, by F. Dobson, B.A.; with numerous other papers and engravings. Published at the British and Foreign Patent Office, 19, Arundel-etreet, Strand.

THE PAUSILIPFIC LOTION —Nothing but the absolute certainty drising om undoubted testimonials, could induce us to draw the attention of our readers to from undoubted testimonials, could induce us to draw the attention of our reasers to an invention which, from its great importance to mankind, may raise doubts in the minds of some with regard to its efficacy; but the sudden relief, as if by a magic power, and the entire cure of rheumatism, that have been experienced from a few bottles of the "Pausilippic Lotion" (which will be found advertised in another part of our Journal), and the gratitude evinced by them in their strongest recommendation of it to every one suffering in the same manner, dispelevery doubt in the honesty of the inventor, and justify him to feel he is conferring a great benefit in recommending his wonderful remedy to the public, a recommendation in which we heartily join.

GLAMORGANSHIRE.—EXTENSIVE MINING PROPERTY AND IRONWORKS. GLAMOEGANSHIRE.—EXTENSIVE MINING PROPERTY AND HONWORKS.

R. THOS. THOMAS has FOR SALE, BY PRIVATE TREATY, the valuable and extensive MINERAL PROPERTY, comprising the BAN-WEN IRONWORKS and COLLIERIES, situate between the Neath and Swansea Valleys, consisting of about 573 acres of land, unusually submath in ANTHRACITE COAL and IRON ORE, which cropput on the estate, and are capable of being worked at a small expense by patching and level, with the TWO BLAST FURNACES, STEAM-ENGINE, MACHINERY, GEAR, and APPARATUS, complete, WORK-MEN'S COTTAGES, ARTIFICEE'S SHOPS, about three miles of RAILWAY and TRAMWAY, and including about 2000 tons of RAISED MINE, a great portion of which is ready calcined.—For particulars and to view, apply to Mesars, LLEWELLYS and RANDALL, solicitors, Neath; or to Mr. Thos. Thomas, auctioneer and valuer, Neath, Glamorganshire.

Neath, Glamorgansbire.

N. R. JOHN H. CLEMENT, with regret has to announce, that owing to his not having received in due course the proper documents from the Board of Direction of the Merced Mining Company of Mariposa, County California, he will be UNABLE for some time to LAY BEFORE THE SHAREHOLDERS of the Non-tone and Merced Companies his SCHEME for WORKING the MERCED MINES, late in the occupation of the Nouveau Monde Company, which scheme, if carried out, would result to the benefit of all the shareholders, or any parties contributing under the intended project.

The feasibility of the plan will be shown in a pamphiet intended to be published after receipt of the propert documents, securing the property to the trustees of the new scheme. That the property is valuable has been proved, both as regards its mines and the judiciously selected site of the reduction works, which are surrounded by a mining district, the existence of which has been established beyond a doubt, both as regards quantity and quality of the ores obtainable to be reduced on royalty. 10, Gloucester-terrace, Church-lane, Kensington, Sept. 24, 1855.

DOOKKEEPER.—WANTED, a BOOKKEEPER, thoroughly con-versant with the routine business of a counting-house. Preference would be given to a person who has been in the office of some extensive ironworks. Applica, tion to be made to Mr. Heaton, Staveley-works, near Chesterfield.—Sept. 19, 1855.

WANTED IMMEDIATELY, to proceed to BARCELONA, a COMPETENT MAN, to MANAGE a NASMYTH'S STEAM FORGE HAMMER; liberal wages will be given, and a married man preferred.—Address, Thomas Waidner and Co., engineers, 9, George-yard, Lombard-street, London; or to Taymas Sampson, of Swansca.

WANTED, a GENTLEMAN to UNDERTAKE the MANAGE-MENT of the COUNTING-HOUSE and FINANCE DEPARTMENT of large IRON WORKS (manufacturing and producing) in South Wales. To a person possessing a practical knowledge of such accounts, and capable of fulfilling all the requisite duties of such a situation, £500 per annum will be given as a commencement.—Applications (which will be considered strictly confidential), with testimonials, or reference as to qualifications, stating age of the applicant, to be addressed to "Box 90," Post-office, Halifax.

WANTED.—A PRACTICAL MAN, who has had considerable experience in copper, tin, silver-lead, antimony, and gold mining, wishes to procure a SITUATION to SUPERINTEND a MINE or MINES, at home or abroad. The advertiser would have no objection to go abroad, to the Coast of Africa, or elsewhere, to explore for minerals.—Address, "V. T. H.," Mining Journal office, 20, Floet-street, London.

TO COPPER SMELTERS, MANUFACTURERS, AND IMPORT-ERS OF ORES.—The ADVERTISER is anxious to ENOAGE HIMSELF to any one requiring his services. He fully understands the making of copper rollers, according to the latest improvements, including the finishing, &c.; copper smelting in all its branches, and especially the treatment of P. A. copper, in which he has had great experience. Would have no, objection to enter into arrangements with any party intending to unite the copper roller branch to their present business, and afterwards to become their agent for the sale of them in the Manchester market. Can assay, purchase, &c. Would have no objection to go abroad.—Address, "Vox," Mining Journal office, 26, Fleet-street, London.

TAVELEY COLLIERIES, NEAR CHESTERFIELD.—
WANTED, a PERSON to TAKE CHARGE of the UNDERGROUND and SURFACE SURVEYS. The qualifications requisite are—a thorough knowledge of land surveying, dialling, and the execution of finished plans. Testimonials as to character and ability will be required.—Apply to Mr. Heaton, Staveley Works; op to Mr. Woodhouse, Midland-road, Derby.

FOR SALE, BY PRIVATE CONTRACT, at GREAT ONSLOW CONSOLS MINE, an excellent 22 in, cylinder WINDING ENGINE, 10 feet stroke, with 9 tons boiler, complete.—For particulars and price, apply to WILSON FORSTER, Esq., 23, Temple-street, Liverpool; or George Rickard, on the mine of the constant of the constant

TO RAILWAY COMPANIES, CONTRACTORS, AND OTHERS.

—ON SALE, a LOCOMOTIVE ENGINE, suitable for ballasting or mineral traities, or for goods traitie on a line where the trains are light. The diameter of cylinder 14 in, length of stroke 20 in.; diameter of leading and driving, wheels 5 ft., trailing-wheels 5 ft., for the coupled; copper fire-box, length 3 ft., width 5 ft. 5 im., all of wrought-iron, with east-iron bosses (the leading and driving, wheels being coupled); copper fire-box, length 3 ft., width 5 ft. 5 im., height 3 ft. 5 im.; 121 brass tubes, 9 ft. long, 2½ diameter. The tender weight 6 tons tewt, and will contain 600 gallons of water. The engine and tender are both in fair working order. They may be seen on application to Mr. W. G. Chaio, locomotive superintendent, Manchester, Sheffield, and Lincolnshire Rallway, Gorton, near Manchester. Sept. 15, 1855.

TO IRONMASTERS.—ON SALE, a HORIZONTAL HIGH-PRESSURE STEAM-ENGINE, 18 in. cylinder, 4 ft. stroke, with 36 in. blast cylinder, suitable for blowing refineries; also, a 55 cwt. DRAWING-OUT HAMMER, the whole fitted complete, ready for work. A TYRE BENDING MACHINE, for railway tyres.—For further particulars, address Messrs. Thomas Perry and Sons, Highfields Foundry, Bilston.

A NTIMONY ORE, OR ANTIMONY MINE, WANTED.
Address, Messrs. Smith and Co., Astimony Works, William-street, Hig

WEST CORNWALL MINING DISTRICT.—Nearly ready for publication, a GEOLOGICAL MAP of about 250 MINES between TRURC and PENZANCE. Plain, 21s.; Coloured, 26s.; Mounted, 30s.; Varnished, 31s. 6d. delivered in London carriage free.—To be had of Mr. R. Symons, land surveyor Characteristics.

Court, Truro.

Incorporated by Royal Charter.)

(Incorporated by Royal Charter.)

THIRD CALL.—Notice is hereby given, that, in pursuance of a resolution of the Court of Directors, the proprietors of Class A, or preference shares, in the East Indian Iron Company are required to PAY a CALL. of ONE POUND per share on each of their respective shares, on or before the 15th day of October next, at the banking house of Messrs. Smith, Payne, and Smiths, 1, Lombard-street, in the City of London. Notice is hereby further given, that interest at the rate of £5 per cent. per annum will be charged upon calls remaining unpaid after the day above mentioned; and that if default is m de in payment of this call for one calendar month after the 15th day of October next, the shares in respect of which default is made will become liable to forfeiture, under the company's Deed of Settlement.

8, Austinfriars, London, Sept. 18, 1855. By order, G. E. COOPER.

OUTH CORK COPPER MINING COMPANY.—The Committee for winding up the affairs of this company having sold the mine, beg to remind those shareholders who have NOT YET SENT IN THEIR SCRIP that it is desirable they should DO SO FORTHWITH, in order that the accounts may be closed, I, Field-court, Gray's Inn, Sept. 25, 1855. W. R. TURNER, Solicitor

NNEY CONSOLS COPPER AND SILVER-LEAD MINING COMPANY (SOUTH PETHERWIN, CORNWALL).—Notice is hereby given, that the FOURTH HALF-YEARLY GENERAL MEETING of the shareholders in this company will be HELD at No. 26, Moorgate-street, in the City of London, on Thursday, the 4th day of October next, at One o'clock in the afternoon, on the general business of the company.

And notice is hereby further given, that at such general meeting aforesaid a resolution will be proposed, declaring any share or shares forfeited, under Art. XI. of the Rules and Regulations of the company, upon which 10s. per share shall not have been paid; and for the purpose of giving full effect and validity to such proposal and resolution, as aforesaid, all calls now in arrear and unpaid are hereby formally demanded.

Dated this 22d day of September, 1855, 26, Moorgate-street, London.

TINCROFT MINING COMPANY.—Notice is hereby given, that at a SPECIAL GENERAL MEETING of the shareholders of this company, held TINCROFT MINING COMPANY.—Notice is hereby given, that at a SPECIAL GENERAL MEETING of the shareholders of this company, held this day, the following resolution was unanimously passed:

—That the scrips numbered 17, 18, 19, 20, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50/56, 61, 75, 76, 79, 91, 96, 97, 98, 113, 121, 343, 334, 399, 390, 391, 392, 393, 393, 403, 404, 409, 416, 417, 418, 420, 423, 436, 439, 441, 443, 444, 445, 451, 457, 458, 559, 462, 465, 464, 465, 466, 467, 469, 470, 471, 487, 485, 504, 503, 513, 535, 532, 535, 535, 585, 572, 575, 577, 583, 588, 592, 597, 598, 599, 600, 622, 634, 656, 667, 669, 670, 670, 671, 672, 677, 681, 690, 709, 710, 711, 712, 720, 721, 733, 734, 737, 733, 767, 770, 773, 774, 789, 792, 793, 797, 798, 816, 833, 836, 864, 889, 892, 919, 933, 994, 967, 971, 972, 974, 981, 889, 990, 991, 992, 1017, 1018, 1019, 1081, 1104, 1129, 1134, 1137, representing five shares cach, amounting to 685 shares, be restored to the holders thereof, upon payment of the scrip numbered 1, 21, 28, 68, 66, 111, 112, 146, 151, 152, 153, 154, 366, 367, 384, 385, 455, 472, 473, 502, 509, 520, 600, 600, 610, 629, 630, 631, 320, 633, 663, 700, 806, 806, 822, 825, 863, 871, 872, 873, 874, 875, 945, 960, 949, 994, 998, 1024, 1027, 1031, 1032, 1036, 1037, 1038, 1039, 1041, 1042, 1043, 1045, 1045, 1048, 1049, 1031, 1047, 1171, 1172, 1178, 1181, 1182, 1187, 1189, 1191, 1109, 1114, 1123, 1144, 1185, 1169, 1169, 1170, 1171, 1172, 1178, 1181, 1182, 1187, 1189, 1191, 1109, 1114, 1123, 1144, 1185, 1169, 1170, 1171, 1172, 1178, 1181, 1182, 1187, 1189, 1191, 1109, 1114, 1123, 1144, 1185, 1169, 1170, 1171, 1172, 1178, 1181, 1183, 1187, 1189, 1191, 1109, 1114, 1123, 1144, 1185, 1169, 1170, 1170, 1171, 1172, 1178, 1181, 1181, 1187, 1189, 1191, 1109, 1114, 1123, 1144, 1185, 1169, 1170, 1170, 1170, 1174, 1174, 1175, 1184, 1185, 1187, 1187, 1187, 1181, 1187,

DENINSULAR MINING COMPANY.—Notice is hereby given, that, in accordance with the resolution passed at the last General Meeting, the DIVIDEND of TWO SHILLINGS AND SIXPENCE per share on the share of this company will be PAYABLE at the company's offices on the 19th inst., of other of the three following days.

By order of the Board,
S. J. GRIEEN, Sec.

POYAL SANTIAGO MINING COMPANY.—The Directors of this shareholders of ONE POUND per share, to be paid to the company's bankers on other terms of the agreement constituting the company's bankers on other the 29th day of November, 1855.

By the terms of the agreement constituting the company, all shares of the proprietors who do not pay the said call of £1 per share within 30 days after the 29th November will be absolutely forfeited.

The form to make the payment will be delivered upon application at the office, and the certificates must be lodged at the same time to have the payment endorsed thereon.

38, Broad-street-buildings, Sept, 26, 1855.

TAMAR SILVER-LEAD MINES, BEERFERRIS, DEVON. VALUABLE MATERIALS AT THE NORTH MINE FOR SALI

MESSRS. DAVIS, SON, AND VOSPER WILL SELL, BY AUCTION, on Tuesday, the 2d day of October, 1855, at Eleven o'clock in the foremon, the following SPARE MACHINERY and MATERIALS, now lying at the NORTH MINE, in Berferris, comprising—

NORTH MINE, in Beerf 7 9 ft. 17 in. pumps. 1 9 ft. 17 in. matching. 4 9 ft. 12 in. pumps. 1 6 ft. 12 in. pump. 1 3 ft. 12 in. pump. 1 5 ft. 11 in. pumps. 1 6 ft. 11 in. pump. 2 5 ft. 10 in. pump. 2 5 ft. 10 in. pump. 2 5 ft. 8 in. pump. 1 1 ft. 8 in. pump. 1 1 ft. 18 in. working. 1 9 ft. 16 in. working. 1 9 ft. 16 in. working.

NERY and MATERIALS, now lying at the general section of the sectio 111 ft., 9 in. working.
1 ft. 7 in. working.
1 ft. 12 in. doorpiece and door.
1 ft. 16 in. doorpiece and door.
1 ft. 10 in. doorpiece and door.
2 ft. 10 in. doorpiece and doors.
1 ft., 8 in. doorpiece and doors.
1 ft., 8 in. doorpiece and door.
1 ft., 8 in. windbore.
2 ft. 10 in. windbore.
2 ft. 10 in. windbore.

19 ft. 5 in. windbore.
2 of ft. 10 in. windbore.
1 io ft. 18 in. plunger-pole, with case,
stuffing-box, &c.
1 io ft. 10 in., ditto ditto
1 if ft. 8 in. ditto ditto
2 ii in. H-pieces, with doors.

The auctioneers beg respectfully to invite a punctual attendance, as they purpose selling the whole in one day; and they also intimate that the above materials are most conveniently situated for transit, being within a few yards of a quay on the margin of the River Tamar, where vessels of large tonnage can load at every tide. Refreshments will be provided.—Tavistock, Sept. 13, 1855.

BIRCH ALLER SILVER-LEAD MINE, IN THE PARISH OF BRIDFORD, DEVON. ESSRS. WARE AND SON (in consequence of the default of a purchaser at the sale held on the 13th day of June last) hereby give notice, that on Monday, the 15th day of October next, they will RE-SELL, BY AUCTION, on the above mine, all that very valuable SETT, known as the BIRCH ALLER SILVER-LEAD MINE, together with a quantity of MINING MATERIALS, conprising a 30 ft. WATEL-WHEEL, balance-bob, shears, 8-arm capetan, horse-whim, whim machine, proof chain, pulleys and stands, pump rods, kibbles, tram wagon, kieves, shieves and brasses, a quantity of iron (various sizes), timber, planking, &c.; the whole of which will be positively sold to the highest bidder.

At the same time and place, will be OFFERED FOR SALE a 30 in. PUMPING ENGINE, 8 ft. stroke in cylinder, and 6 ft. in shaft, with 8 tons boiler.

Sale to commence at Eleven for Twelve o'clock precisely.

Dated Paris-attreet, Exetor, Sept. 20, 1855.

HENNOCK SILVER-LEAD MINE, IN THE PARISH OF HENNOCK, DEVON, MESSRS. WARE AND SON (in consequence of the default of a purchaser at the sale held on the 14th day of June last) hereby give notice, that on Wednesday, the 17th day of October next, they will RE-SELL, BY AUCTION, on the above mine, all that very valuable SETI, known as the HENNOCK SILVER-LEAD MINE, together with a quantity of MINING MATERIALS, comprising a 38 ft. WATER-WHEEL, 4 ft. 6 in. breast, oak axies, iron sockets, and cast-iron cylindrical ends; also, a water-wheel, 18 ft. diametr, 4 ft. breast, drum and pinion wheel, crusher with perpendicular shaft, wheel roller and griddle, complete; L-bob, 250 fms. of 9-16 proto chain, zine air-pipes, pump nots, 40 ft. shears, capstan with oak axies, floors, hutches, launders, kibbles, strapping-plates, new and old timber, smiths and miners' tools, blocks, ropes, &c., the whole of which will positively be sold to the highest bidder.

At the same time and place, will be OFFERED FOR SALE a 50 in. of the PUMPING ENGINE, 8 ft. stroke, with 12 tons boiler.

Sale to commence at Eleven for Twelve o'clock precisely.

Dated Paris-street, Exeter, Sept. 26, 1855. HENNOCK SILVER-LEAD MINE, IN THE PARISH OF HENNOCK, DEVON.

ABSOLUTE SALE OF THE NORTH TAMAR CONSOLS SILVER-LEAD MINE, BEERFERRIS, DEVON.
WITH THE VALUABLE MACHINERY AND MATERIALS.

WITH THE VALUABLE MACHINERY AND MATERIALS.

TR. JAMES WHITE has received instructions (in pursuance of a resolution passed at a Special General Meeting) to SELL, BY AUCTION, at the Mart, opposite the Bank of England, on Tuesday, the 16th of October, 1853, at Twelve o'clock, in One Lot, a valuable MINING PROPERTY, known as the NORTH TAMAR CONSOLS SILVER-LEAD MINE, situate in the parish of Beerferris, in the county of Devon, well proved to be one of the best lead mining districts in the West of England, together with the MACHINERY and MATERIALS thereon, including a NEW 24 in. cylinder STEAM PUMPING ENGINE, CAPSTAN, SHEARS, WHIM, 46 ms. of PITWORK, complete, &c. The sett is very extensive, being a mile in length on the course of the lodes, and contains several very promising lodes within its limits, one of which has been sufficiently worked and tested to justify the very decided opinions offered in the reports given by Evan Hopkine, Esq., and other competent inspectors. The shaft has been sunk 44 fms., and three levels driven north and south; and with a comparatively small outly the mine might be brought into a productive state. Held from the Earl of Mount Edgecumbe, at 1-15th dues.

May be viewed, and particulars obtained of T. J. Strubss, Esq., solicitor, 46, Moorgate-street; of Mr. W. E. Cummins, Tavistock; of Mr. H. Prer., 20, St. Helen's-place; and at Mr. James White's offices, I, Union-court, Old Broad street.

DELIGHTFUL VILLA RESIDENCE IN NORTH DEVON FOR SALE. 101

TR. JOHN GOULD WILL SELL, BY AUCTION, on Tuesdayy the 18th day of October next, by Three o'clock in the afternoon, at the Fortescue Arms Hotel, Barnstapic (subject to such conditions of sale as shall be then and there produced), the residue of a term of 2000 years, of which about 1800 are unexpired, of and in all that newly and substantially built DETACHED RESIDENCE, commonly called or known by the name of ROSE-HILL VILLA, situate in BARN-STAPLE, and now in the occupation of Mr. John May.

The house comprises spacious dining, drawing, breakfast rooms and library, seven excellent bed rooms, dressing room and water closet, kitchens, larder, scullery, and cellarage. Attached to the premises are a green house, both house, large walled garden (well stocked with choice fruit trees), stable, conch house, pumps well supplied with water, and other offices replete with conveniences. The premises, which are situate in a most sailubrious neighbourhood, and at a convenient distance from the North Devon Railway, command extensive and delightful views of the Taw Valley, Tawstock (the seat of Sir Bourchier Wrey, Bart), and the adjoining locality, in which abundance of sport may be obtained in hunting, shooting, and fishing.

For further particulars, apply to the auctioneer, Joy-street, Barnstaple; to Arunder. Roorras, Eq., sqlicitor, 33, Old Jewry, London; or at the offices of Messrs. Thomas Roorras and Son, solicitors, Heiston, Cornwall,—Dated Sept. 20, 1855.

RODERS and SON, solicitors, Heiston, Cornwall.—Dated Sept. 20, 1835.

PARNSTAPLE.—VALUABLE DOUBLING MACHINERY, &c.,
FOR SALE.—TO BE SOLD, BY PRIVATE CONTRACT, the following
MACHINES, PRAMES, APPARATUS, and GEAR, at RAWLEIGH MILL, in
Barnstaple, Devon, vis.:—
1 doubling frames, 3½ in. lift for wet doubling, each 273 spindles.
2 doubling frames, 3½ in. lift for wet doubling, each 273 spindles.
2 doubling frames, 3½ in. lift for wet doubling, each 273 spindles.
2 doubling frames, 3½ in. lift for wet doubling, each 273 spindles.
2 doubling frames, 3½ in. lift for wet doubling, each 173 spindles.
2 doubling frames, 3½ in. lift for wet doubling, each 173 spindles.
1 bundling press, 1 gassing frame of 70 lights, 2 clearing frames, 3 winding frames,
4 recling frames, 2 preparing frames, 9 driving drums, sundry gas taps and burners.
Sundry leather belting, counting-house desk, washstand, chair, clock table.
The machinery is in excellent order, and constructed on the most modern principles, and well worthy the attention of capitalists desirous of engaging in the doubling trade, or extending their present establishments.
For further particulars, apply to Mr. Jonn GOULD, auctioneer, Joy-street, BarnStaple; or to Messra, Thomas Roders and Son, solicitors, Heiston, Cornwall.

Dated Sept. 22, 1855.

EW CUMNOCK IRONWORKS FOR SALE.—There will be EXPOSED FOR SALE, BY PUBLIC ROUP, within the Royal Exchange Sale Rooms, Glasgow, on Wednesday, the 3d day of October next, at Two o'clock afternoon, the extensive and valuable IRONWORKS in Ayrshire, known formerly as the NITHSDALE IRONWORKS, and afterwards as the NEW CUMNOCK IRONWORKS, itsuated within two miles of the New Cunnock Station of the Glasgow and South-Western Railway, with which they are connected by a branch line, and consisting of THERE in Constitution of The Cons Sale Rooms, Glasgow, on Wednesday, the 3d day of October next, at Two o'clock afternoon, the extensive and valuable IRONWORKS in Ayrshire, known formerly as the NITHSDALE IRONWORKS, and after wards as the NEW CUMNOCK IRONWORKS, situated within two miles of the New Cumnock Station of the Glasgow and South-Western Railway, with which they are connected by a branch line, and consisting of THREE BLAST FURNACES, recently creeted upon the most improved principles; TWO BLOWING ENGINES, condensing and working expansively, with steam cylinders, 43 in. diameter, and blowing glyinders, 100 in. diameter, 9 ft. stroke, capable of blowing seven furnaces; with WORKSHOPS, COUNTING-HOUSE, DWELLING HOUSES for MANAGER and AGENTS, WORKMEN'S HOUSES, &c. The furnaces and all the buildings are erected on feued ground, of which the prietors possess about 30 acres.

The LEASES of the MINERAL FIELDS connected with and immediately adjoining the works are extensive, and contain CLAYBAND IRONSTONE, several SEAMS of WORKABLE COAL, superior FIRE CLAY, with a BRICK and TILE WORK, fitted with machinery of the best description; together with railways and transways intersecting these fields, railway plant, pit engines, and other fittings necessary for carrying on the works on a large scale.

There are six miles of railway extending from the furnaces to an extensive field of blackband ironstone and coal, tying fiat, near the surface, and other wise well situated for being cheaply worked. The quality and thickness of the ironstone, which has been satisfactorily tested, are very similar to the blackband now used in the neighbouring ironworks at Dalmellington. Three pits are sunk to the ironstone, and first with suitable engines, and all necessary machinery and tensits; and there are about 10,000 tons of ironstone, partly calcined and partly raw, which may be had at a valuation. There is no reason to doubt that grangements might be made with the proprietors of this and other mineral fields leased by the present company for resuming operations on fav

In Chan DURSU.

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ELIGI SOI BERLANI dix years to paretus; f work, capse lest mana power; an which goe-ironstone, immediate

EXTE SOUTHEY are I A NT the well, in the acree. To being situs minus of minus of Mr. Jame Unders

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1 (IRELAND) REGULATION ACT, 1850.

URSUANT to the DEGRETAL ORDER made in this matter, bearle the Matter of William Leaun ing date the 24th day of April, 1854, I will
on Monday, the 5th day of April, 1854, I will
on Monday, the 5th day of November next,
at the hour of One o'clock in the afternoon,
at the hour of One o'clock in the afternoon,
at my Chambers, lons Quay, City of Dublin,
ST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, to the highest bidder, the INTERST UF TO EE SOLD, BY PUBLIC AUCTION, the HIGH COURT OF CHANCERY,

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DEBUANT to a DECREE of the HIGH COURT OF CHANCERY, make in a Cause SOUTH MORSE AGAINST WILLIAM PENNELL AND OTHERS, the persons CLAIMING to be INCUMBRANCERS, or having INCUMBRANCES on or affecting certain collieries or mines, tract, scams, or veins of coal, make the Coleford Rise, in the Forcest of Dean, in the county of Gloucester, and on the the Coleford Rise, in the Forcest of Dean, in the county of Gloucester, and or sear the Coleford Rise, in the Forcest of Dean, in the county of Gloucester, and early the part or parts thereof, are, by their solicitors, on or before the lat day of Notable, 1935, to COME IN and PROVE THEIR INCUMBRANCES, or CLAIMS, at the Chambers of the Vice-Chancellor Sir William Page Wood, 11, New-square, leash's lim, in the county of Middlesex, or in default thereof they will be penagrady excluded from the benefit of the said decrece.

Sunday, the 10th day of November now next ensuing, at Twelve o'clock at noon, the said chambers, is appointed for hearing and adjudication upon the said incumbrates and claims.

HY. LEMAN, Chief Clerk.

Dated the 28th day of July, 1355.

DERBY.-TO IRONFOUNDERS, CAPITALISTS, &c. aportant FREEHOLD PROPERTY extensively and favourably known as the SIX FOUNDRY, NOTTINGHAM ROAD, DERBY, lately in the occupation James Haywood, a bunkrupt.

Flat important FREEHOLD PROPERTY extensively and favourably known as the FREEKS FOUNDRY, NOTTINGHAM ROAD, DERBY, lately in the occupation disk. James Haywood, a bunkrupt.

R ROWLAND BREAREY, WILL SELL, BY AUCTION, on Manday, the 15th day of October next, at the King's Head Inn, in Derby, at the relation in the afternoon, TWO NEWLY-BULLT IRON FOUNDRIES, one sit, bog, by 64 ft. wide; the other 80 ft. long, 24 ft. wide, each 20 ft. high to beams, feming one entire moulding shop, well lighted and ventilated, with ample room to make estings of the largest dimensions for railway bridges, girders, and other large with, and capable of turning out 30 tons of castings per week; also, moulding shop its surboness, model room, cupolas, engine-house, offices, and a substantial resident states of a condensing stemper of the valuable plant by valuation, which consists of a condensing steamings of the room of the valuable plant by valuation, which consists of a condensing steamings of the room of the valuable plant by valuation, which consists of a condensing steamings of the room of the valuable plant by valuation, which consists of a condensing steamings of the room of the valuable plant by valuation, which consists of a condensing steamings of the room of the valuable plant by valuation, which consists of a condensing steamings of the room of the valuable plant by valuation, which consists of a condensing steamings of the valuable plant by valuation, which consists of a condensing steaming for the valuable plant by valuation, which consists of a condensing steaming for the valuable plant by valuation, which consists of a condensing steaming for the valuable plant by valuation, which consists of a condensing steaming for the valuable plant as the valuation of the valuable plant as the valuation of the valuable plant as the valuation of the Niddland Railway.

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TO ENGINEERS, BOILER MAKERS, &c.—A very strong PUNCHING and SHEARING MACHINE FOR SALE, will punch and cut a plate. Also, a very superior SELF-ACTING SLIDE LATHE, bed 16 ft. long, th break, entires 16 in. high, with face plates and top motion, &c., sil complete. Stylin. centre SLIDE REST, to slide 20 in. long, &c.—For particulars, apply to Geodograph, Albert Foundry, Neville-street, Leeds.

MINIG INVESTMENT.—WEST ABERFFRWD.—TO BE SOLD, a very valuable MINE, situate in the heart of the best mining district a Carliganshire. A shallow adit lovel has been extended for many fathoms, in the beam of which there is a good course of ore now to be seen, and some tone of ore at sentence between therefrom. A deep adit level has been commences, and driven a fecurse of the lode for 20 fms., the lode yielding lead ore. To continue this will be the course of flead ore discovered in the shallow adit level was the object of fleptest company; but a great portion of the mine being held by working miners it seaglest neighbourhood, whose means are not sufficient to carry on the trial wit spirit, is the only cause for parting with the property.—To inspect, and for further particulars, apply to the agent, Plunty NucroLus, Goginan, Aberystwith. F.S. fhere is every facility for the working of water machinery, carriage light, and dues moderate.—March 5, 1855.

Collitery and works in South Wales.—To be Sold, by French and the pencil save are held for long terms, at low royalties, and include several hundred can. The colliery is completely won by a pit of 80 fms., with pumping engine of its quinder, more than sufficient to command any future increase of water from the worked district, having a range of two miles upon four workable vehias. A blat incline connects the colliery with the shipping wharves, where the only port wife it dip to no register on the vessel.

A blate machine, winding engine, and all necessary workshops and officer are acked to the colliery, Adjoining the shipping wharves are freehold lainds, adapted for the cretion of any kind of smelting works; and on part of which are now works affected in the colliery. Adjoining the shipping wharves are freehold lainds, adapted for the cretion of any kind of smelting works; and on part of which are now workshipping colliery. Adjoining the shipping wharves are freehold lainds, adapted for the colliery of carrying on a large trade, which may be indefinitely extended by the formation of a branch to the South Wates Railway.

The proprietor will either sell the whole property, or will retain the lands, and mat a lease of the pit and the necessary erections and shipping wharves.—For prittialize apply, by letter, to J. Benson, Swansea.

Findelina apply, by letter, to J. Benson, Swamea.

[Ligible Irronworks To Be Disposed of F.—To Be 190, Or Let, the Unexpired Term of an Ironworks in cumberland, comprising about 14 acres, held under a lease, at a nominal rent, having signs to run, consisting of a blast furnace, with blowing ongine and hot bleat apparents; forges and mills for rolling bars, sheets, and bolier plates; and a tin-plate wis, capable of producing 400 boxes per week; also, il workmen's and two excellant magners' houses. The forges have the advantage of both steam and water power; and the whole work is most eligibly situated close to a railway, a branch of which goes into the work, and with every facility for the cheap supply of argillaceous immediately put to work at a very small expense.

The above is in excellent condition, and may be immediately put to work at a very small expense.

The immediately put to work at a very small expense.

The above is a complete set of rolls for pudded and faished from, Shingler's hammer, shears, &c., worked by a steam-engine, and capable of producing 50 to 70 tons of bars weekly.

Apply to Messre, McKwam and Auld, accountants, Glasgow; Messre, WM. Bird at Ch., London or Glasgow; or Peters Cameron, Esq., Whitehaven.

EXTENSIVE ANTHRACITE IRON AND COAL WORKS IN SOUTH WALES TO BE SOLD, containing about 2000 acres of minerals. The renow in full operation, and comprise Two BLAST FURNACES, extensive BLAST, PURPING and WINDING ENGINES, all of which are in good working condition. The minerals are of most superior quality. He call has a large sale for ateam and malting purposes. There are good readences for amaging partner and agents, also a large number of workmen's cottages. A process would be treated with on liberal and advantageous terms.—Further information may be had on application to Mr. Thomas S. Strick, Swansea; or to Messra. Cautra, S. Bedford-row, London; and viewed by cards only.

ANTHRACITE COAL.—TO BE LET, for a term of years, all the valuable SEAMS of ANTHRACITE COAL lying under the Farm of Creature, in the parish of Lawrenny, county of Penbroke, containing upwards of 300 tars. The above coal is of superior qualify, and conveniently placed for shipment, bigs situated on a branch of the Militor Haven, within a short distance of the terminal of the South Wales Hailway.—For further particulars, apply to T. M. Maniers of the South Wales Hailway.—For further particulars, apply to T. M. Maniers Bay, I. Lancaster-place, London; JAMES SUMMERS, ESQ., Haverfordwest; or Mr. Jaurs Wilson, mineral surveyor, &c., Underwood, near Haverfordwest.

(OAL FIELD IN MID-LOTHIAN.—TO LET, for such number of years as may be agreed on, the COAL FIELD OF INVERESK, seven miles the killshargh, containing a large extent of the great seam extending under the larms of Wallyford, Mason's Mains, Barbachlaw, and Crookston, 11 ft. thick in the Access to Edinburgh and the neighbouring shipping ports is most convenient by the North State of the North Sta

OREST OF DEAN COLLIERIES.—The Messrs, JAMES and HERRY HARRIS beg to inform their friends, colliery proprietors, and others, and HERRY HARRIS beg to inform their friends, colliery proprietors, and others, and they are prepared to FURNISH PLANS and ESTIMATES, and SUPERINGED the RECOTION OF PUMPING OR WINDING ENGINES, or such other MACHINER BECTION OF PUMPING OR WINDING ENGINES, or such other MacHINER, and SUPERINGED AND AND ASSESSED OF THE MESTAL HARRIS WILLIAM SO THE MESTAL HARRIS WILLIAM SO TAKING SHAPES IN COLUMN THE PROPRIET OF THE MESTAL HARRIS WILLIAM SO TAKING SHAPES IN COLUMN TO THE MESTAL HARRIS WILLIAM SHAPES OF THE MESTAL HARRIS WILLIAM

RAILWAY WAGONS.—WM. A. ADAMS AND CO., MIDLAND WORKS, BIRMINGHAM. BROAD AND NARROW GUAGE COAL AND IRONSTONE WAGO

RAILWAY WHEEL AND AXLE WORKS.OF EVERY DESCRIPTION OF HAMMERED IRON, TYRES, AXLES, &c. #16

THE PERMANENT WAY COMPANY, holding a large number of PATENTS relating to the CONSTRUCTION and REPARATION of the PERMANENT WAY of RAILWAYS, are at all times ready to communicate on the subject, and to GRANT LICENCES for their USE.

From the facilities thus afforded to companies to negociate for a number of inventions, much trouble and chance of litigation is avoided. The company undertake arrangements for bringing new inventions on the subject before the public, upon terms advantageous to the proprietors of patents.

Applications may be made to CHARLES MAY, F.R.S., the manager, or to 26, Great George-street, Westminster.

WILLIAM HOWDEN, Sec.

MUNTZ'S PATENT SOLID ROLLED BRASS TUBES.—
These are the only BRASS TUBES that are MALLEABLE when RED HOT, and are CHEAPER and MORE DURABLE than any others. They continue to be extensively used in the steam boilers of the navy, also on several of the English and foreign railways, and are the only brass tubes used by the London and North-Western Railway Company.

Railway Company.

G. F. Muntz's Patent Metal Company, having completed extensive works to mee
the increasing demand, are now able to execute orders promptly.

French Walls, near Birmingham, Aug. 24, 1855.

TO IRON MASTERS, MERCHANTS, CONTRACTORS, FOUNDERS, &c.—Messrs. DAUNT and MOFFAT, METAL BROKERS, 59, ST. VINCENT STREET, GLASGOW, OFFER THEIR SERVICES for the PURCHASE and SALE of PIG and MANUFACTURED IRON.
All orders carefully executed, and prompt shipments made.

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The BIRMINGHAM WAGON COMPANY is open to receive APPLICATIONS for the LETTING OF WAGONS ON HIRE.
Offices, 101. New-street, Birmingham.

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TO ENGINEERS, MINING COMPANIES, AND ALL PARTIES USING STEAM POWER.—LOVELOCK and FORSTER'S PATENT FLEX-IBLE STEAM PACKING will be found CHEAPER and more ECONOMICAL than packing of any other description. Samples and testimonials on application.

Warehouse, 7, Dowgate-hill, Cannon-atreet.

TO ENGINEERS, MILLWRIGHTS, SHIPBUILDERS, &c.—W. BLACKETT. ENGINEER, CROSBY HALL CHAMBERS, BISHOPS-CATE STREET, LONDON, has FOR SALE, and READY FOR DELIVERY, various ENGINEERING TOOLS, comprising large and small drilling and boring machines, self-acting screw-cutting latties, hand lathes, planed iron beds and compound silde rests, shaping, planing, punching, and shearing machines, and other useful tools. Particulars forwarded on application.

TO ENGINEER S, MACHINE MAKERS, AND OTHERS.—CHAS. MACINTOSH and CO., PATENTEES and MANUFACTURERS of the VULCANISED INDIA-RUBBER, in all degress of elasticity, recommend this material as capable of SUSTAINING the ACTION of HOT or COLD WATER, GAS, STEAM, ACIDS, and GREASE. It is used extensively for valves in marine and land engines, ratiway buffers and springs, washers for pipe joints, hose, and tubing, also for gas holders, seld pumps, alkali cisterns, &c. Articles, moulded or otherwise, made to any size or figure.—Address, 3, Cannon-street West, London; and Cambridge-street, Manchester.

Pridge-street, Manchester.

O ARCHITECTS, SLATE MERCHANTS, BUILDERS, AND OTHERS.—The DIRECTORS of the MACHNO SLATE AND SLAB COMPANY having completed their arrangements for the REMOVAL of their SHIPPING PORT to CONWAY, for the convenience of vessels unable to lower their masts to pass the tubular bridge, are now PREPARED to RECEIVE ORDERS for their justly celebrated SLABS and SLATES, from the Ffesting vein, which for beauty of colour and durability are unequalled.

The slabs have been largely used in the construction of houses for Australia; and, from the facility with which they are creeted and removed, are well adapted for movable huts for men and horses at the proposed camps in England and Ireiand. All applications to be addressed to Mr. T. H. WHEELER, the resident director, at the company's offices, Conway, North Wales.

TATIONARY STEAM-ENGINES OF THE BEST QUALITY, from 1 to 50-horse power, fitted with VARIABLE EXPANSION GEAR. These engines, which have been designed to combine great simplicity of parts with the utmost economy of action, are supplied with or without boilers, at the lowest possible rates; and erected, if required, in any part of the kingdom. General boiler and tank work carefully executed upon advantageous terms.—Apply to Messrs. WILLIAM YOUNG and Co., engineers, Barnstaple.

MPORTANT TO LEAD SMELTERS,—The INVENTOR is PRE-PARED to CONSTRUCT, upon liberal terms, a DOUBLE REVERBERATORY FURNACE, capable of making a SAVING of 50 per cent. PUEL over that of the best constructed furnaces in Europe; at the same time guarantees the general loss in smelting not to exceed 5 per cent.

The inventor, after 20 years' experience, both in England and various parts of the Continent, has discovered the method, in the regular course of smelting, and without any extra cost, of separating antimony from a certain class of silvery-lead ore, thereby rendering the lead free of all impurities, and, at the same time, the antimony in a marketable state.—All applications to be addressed to the inventor, Mr. Alfred Berkins, Eyam, near Bakewell, Derbyshire. One of the furnaces will be at work by the end of the present month. A descriptive notice of the invention appeared in the Mining Journal of July 14.

ITALSEVIS DATENT COLUMNIA.

TALSEY'S PATENT CRUSHER AND AMALGAMATOR.—
This machine is NOW IN OPERATION at ESSEX WHARF, ESSEX STREET, STRAND. GOLD ORES carefully TESTED on the following terms, including the use and distillation of mercury:—

Larger quantities by special agreement. Price of the machine complete, £200.

DATENT SAFETY FUSE.—The GREAT EXH IBITION PRIZE MEDAL was AWARDED to the MANUFACTURERS: of the ORIGINAL SAFETY FUSE, BICKFORD, SMITH, DAVEY, and PRYOR, who beg to inform Merchants, Mine Agents, Rallway Contractors, and all persons engaged in Blasting Operations, that, for the purpose of protecting the public in the use of a genuine article, the PATENT SAFETY FUSE has now a thread wrought into its centre, which, being patent right, infallibly distinguishes it from all imitations, and ensures the continuity of the gunpowder.

This Fuse is protected by a Second Patent, is manufactured by greatly improved machinery, and may be had of any length and size, and adapted to every climate. Address,—BICKFORD, SMITH, DAVEY, and PRYOR, Tuckingmill, Cornwall.

AFETY FUSE.—Messrs. WILLIAM BRUNTON and CO., PEN-HALLICK, near REDRUTH, CORNWALL, MANUFACTURERS OF FUSE, of every size and length, as exhibited in the Great Exhibition of 1851, and supplied to the Royal Arsenal at Woolwich, the Arctic Expedition, and every part of the globe. Messrs. BRUNTON & CO. are at all times PREPARED to EXISCUTE UNLIMITED ORDERS for SUPPLYING FUSE direct from their own MANUFACTORY, upon warrant that it will prove equal to, if not better, than any to be procured elsewhere.

TANDLES AND TALLOW FOR MINES.

PALMER and CO.'S PATENT PALM CANDLES, and PATENT OFERATIVE CANDLES, neither of which require sauffing, at prices below those of all other mining candles.

Wholesale agent, Joseph Dusstan, Truro, by whom a stock is kept on hand, and also of the ordinary mining candle. Delivered free of carriage when orders for 100 dozen and upwards are given.—Lemon Yard, Truro, May 23, 1855.

INING.—PATENT PUMPING AND WINDING STEAM—WHEELS, TO BE LET ON HILE, AND MOUNTED ON BROAD WAGON WHEELS, TO BE LET ON HILE, OR FOR SALE.—All interested in mining are invited to INSPECT MEDWIN AND HALL'S PATENT PORTABLE STEAM—ENGINES. (See the Reports of this Journal.)

Several of these engines are in stock, and ready for immediate delivery, of 4, 8, 10, 12, 16, 20, 25, and 40-horse power, adapted for mining and other purposes. They poss ess advantages of strength and simplicity over all other portable engines; and may be seen at Measurs. MEDWIN, HALL, and Co's, sole patentees and manufacturers, 94, 1 Blackfriars-road, London.

DUMPING MACHINERY, FOR AUSTRALIA, INDIA, CEYLON, SOUTH AMERICA, MEXICO, the CONTINENT, &c.—All persons desirous of RATSING large or small quantities of WATER, for works of drainage or irrigation, Gry docks, eamsis, coffer dams, water-works, &c., by horac, wind, or steampower, should SEE GWYNNE and CO.'S PATENTED MACHINERY for these purpose's, being the most economical, efficient, simple, and durable, ever brought before the public. HYDRAULIC RAMS, WATER-WHEELS, STEAM-ENGINES (portable and fixed), with every information, obtained by applying to GwYNNE and Co, hydraulic and mechanical engineers, Essex Wharf, Essex-street, Strand, London

10 PATENTEES.—PATENTEES of MECHANICAL INVENTIONS are invited to SEND MODELS, PLANS, &c., to JNO. H. SWAN,
63, ST. VINCENT STREET, GLASGOW, who has appropriated a large apartment
for the EXHIBITION and SALE of PATENT INVENTIONS, as well as the VEEDIN G of PATENT RIGHTS.
Clasgow is the centre of a large iron, cotton, engineering, and general manufactut ing district; and by the proprietors of these works J. H. Swan is extensively patractised, so that he is warranted in expecting benefit to the patentees, if sufficiently
supported to make the exhibition attractive.

TEW PATENT ACT, 1852.—Mr. CAMPIN, having advocated Patent Law Reform before the Government and Legislature, and in the pages of the Mining Journal, &c., is now READY to ADVISE and ASSIST INVENTORS in OBTAINING PATENTS, &c., under the NEW ACT.

The Circular of Information, gratis, on application to the Patent Office and Designs' Registry, 156, Strand.

EE STEVENS'S PATENT FURNACES comprise an established SYSTEM of SMOKE PREVENTION and ECONOMY OF FUEL, for all manufacturing purposes, from the smallest pan to the largest copper or boiler; and is remarkable for simplicity, cheapness, and facility of adaptation. Average saving of fuel, 20 per cent. Drawings of hundreds of furnaces in successful operation, testimonials, official reports, &c., may be seen at 1. Fish-street-hill, City.

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MPROVED PATENT WIRE ROPE.—Mr. ANDREW SMITH, the ORIGINAL INVENTOR of WIRE ROPE, LIGHTNING CONDUCTORS, and SUEMARINE TELEGRAPHS, solicits the attention of the public to his IMPROVED PATENT MANUFACTURE, as the best and cheapest, having obtained his sixth patent since 1835.—Office, 69, Princes-street, Leicester-square, London 55,0

HENRY J. MORTON AND CO.'S (No. 2, BASINGHALL BUILDINGS, LEEDS) PATENT WIRE ROPES, for the use of MINES, COLLIERIES, RAILWAYS, &c.; one-half the weight of hemp rope, at d one-third the cost; one-third the weight of chains, and one-half the cost—in all deep mines these advantages are self-evident. References to most of the principal colliery owners in the kingdom.

in the kingdom.

GALVANISED SIGNAL CORDS AND KNOCKER LINES; will not rust or corrode, and not affected by the copper water in mines. Very strong, and not at all liable to break. Prices from 15s. per 100 yards.

PATENT ASPHALTED ROOFING FELTS, 1d. per foot. DRY HAIR BOILER FELTS, to SAYE COAL.

PATENT BOILER COMPOUND, for bad water.

FAIRBANK'S WEIGHING MACHINES, of all sizes,
GALVANISED IRON ROOFING AND SPOUTING.

MILNER'S PIRE-PROOF SAFES.

STOCK of MINING and RAILWAY STORES in Liverpool and London:—viz.,
OILS, GREASES, COITON WASTE, SPUN YARN, WHITE LEAD, VARNISHES,
&c.,; and at very low prices.—Address, 2, Basinghall-buildings, Leeds,
SOLE AGENTS for Prof. GLUKMAN'S ELECTRIC SIGNAL from RAILWAY
GUARD to ENGINE DRIVER, and also for the use of COLLIERIES and MINES.
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E. Réferences to all the large colliery owners in the kingdom. One-half the cost of hemp or chain, more durable, and ONE-THIRD THE WEIGHT OF CHAIN—VERY important advantages for deep mines.

PAIRBANK'S IMPROVED PATENT WEIGHING MACHINES, for the use of IRONWORKS, COLLIERIES, RAILWAYS, WAREHOUSES, STORES, &c. The most ACCURATE MACHINES in use, and the cheapest.

MACHINES of all sizes, from I ewt. to 30 tons, for RAILWAY WAGONS, CARTS, or WAGONS.—For prices and all other information, apply to HENRY J. MORTOS and Co., Galvanised Ironworks, 2, Basinghall-buildings, Leeds.

Asphalted Roofing Felts, Boiler Felts, Galvanised Iron, &c., in Stock, 4/

CHEAP, LIGHT, AND DURABLE ROOFING, ONE PENNY PER FOOT.—HENRY J. MORTON AND CO., 2, BASINGHALL BUILD-INGS, LEEDS. PATENT ASPITALTED ROOFING FELTS, for roofing sheds, contractors' cottages, ore-dressing sheds, brick and tile sheds, and all agricultural purposes. One penny per square foot. The cheapest roofing manufactured. Stocks kept in London, Leeds, and Bristol. DRY HAIR BOILER FELTS, for saving fuel. H. J. MORTON AND CO., 2, Basingball-buildings, Leeds.

212° MILNERS' HOLDFAST AND FIRE-RESISTING SAFES (non-conducting and vapourising), with all their improvements, under their Quadruple Patents of 1840-51-54 and 1855, including their GUNPOWDER PROOF SOLID LOCK AND DODG (without which no safe is secure). THE STRONGEST, BEST, AND CHEAPEST SAFEGUARDS EXTANT.

MILNERS' PHGNIX (212') SAFE WORKS, LIVERPOOL, the most complete and extensive in the world. Show Rooms, 6 and 8, Lord-street, Liverpool. London Depot, 47A, Moorgate-street, City. Circulars free by post.

A SSAYING.—CITY SCHOOL OF CHEMISTRY AND ASSAY OFFICE, DUNNING'S ALLEY, BISHOPSGATE STREET WITHOUT. Conducted by John Mitchell, F.C.S., Author of Manual of Practical Assaying, Manual of Agricultural Analysis, Treatise on the Adulteration of Food, Metallurgical Papers, &c. ASSAYS and ANALYSES of MINERALS, METALS, and every manufacturing product.

SPECIAL INSTRUCTION in ASSAYING and CHEMISTRY for gentlemen intending to proceed to the colonies.

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—ANDERTON'S HOTEL, 162, 164, and 165, FLEET STREET. BREAK-FAST, with joint, 1s. 6d. BEDS, 10s. 6d. per week. DINNERS from Twelve to Eight-O'clock; joint and vegetable, 1s. 6d.; with soup or fish, 2s. TURTLE SOUP and VENISON DAILY. TABLE D'HOTE at Half-past One and Half-past Five, at Two Shillings each. A night porter in attendance.

SISAL CIGARS! SISAL CIGARS! SISAL CIGARS!
—At GOODRICH'S CIGAR, TOBACCO, and SNUFF STORES (Established 1780), 416, OXFORD STREET, LONDON (nearly opposite Hanway-street), BOX containing FOURTEEN FINE SISAL CIGARS for ONE SHILLING AND NINE-PENCE; post free, 27 stamps. None are genuine unless signed "H. N. Goodbier," (19.

RIMSTONE'S EGYPTIAN PEA, discovered amongst others by the Committee of the British Museum, in a vase presented to them by Sir Gardiner Wilkinson, the Egyptian traveller. Three were presented to Mr. William Grinstone by Mr. T. I. Pettigrew, who assisted in opening this relie of the ine of the Pharcahs, being 2344 years old. The growth of this pea is different to those of this bountry; the taste is unequalled, they boil much greener than ours, and are more prolific, being planted thus. '. . 's in. apart. The 2s. 6d. bag will produce enough for a smull family. They require no sticks, and the bloom hangs in clusters. Sold in bage, 2s. 6d.; three times the quantity, 5c.; seven times the quantity, 10s. Each bag is signed and sealed by William Grinstone, 11d. Heart, 11d. Heart, 11d. A worm is in the bud of youth, 11d. History of Grimstone's Egyptian Pea.

"Read ye that run the awful truth, A worm is in the bud of youth, With which I charge my page;

DEBILITY, NERVOUSNESS, AND EXHAUSTION.

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Case wisn (gold), Merioneth & 5 9000 Cubert (silver-lead), Cornwall 2% 3 10000 Cwm Darren (lead), Cardiganshire 10s. 6d, 5 10000 Cwm Darren (lead), Cardigansh. 13s. 5 10000 Cwm Erfin (lead), Cardigansh. 13s. 13s. 13s. 10000 Cwm Darren (lead), Cardigansh. 13s. 13s. 13s. 13s. 13s. 13s. 13s. 13s	certed min order required communications was all be happy to fill up all the blanks, on receipt of the quotastand adventures; and, we need hardly add, that we shall be happy to fill up all the blanks, on receipt of the quotastand adventures; and, we need hardly add, that we shall be happy to fill up all the blanks, on receipt of the quotastand adventures; and, we need hardly add, that we shall be happy to fill up all the blanks, on receipt of the quotastand adventures; and, we need hardly add, that we shall be happy to fill up all the blanks, on receipt of the quotastand adventures; and, we need hardly add, that we shall be happy to fill up all the blanks, on receipt of the quotastand adventures; and, we need hardly add, that we shall be happy to fill up all the blanks, on receipt of the quotastand adventures; and, we need hardly add, that we shall be happy to fill up all the blanks, on receipt of the quotastand adventures; and, we need hardly add, that we shall be happy to fill up all the blanks, on receipt of the quotastand adventures; and the blanks, on receipt of the quotastand adventures; and provide adventure adventures; and provide adventure
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